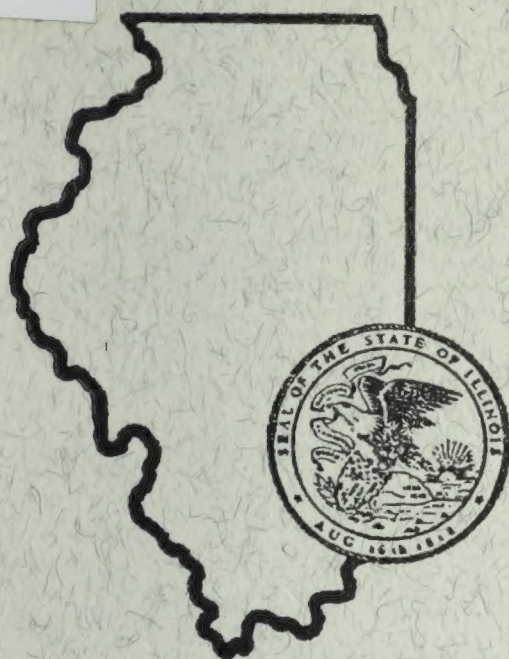


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STATE OF ILLINOIS
OTTO KERNER, *Governor*

FRANCIS S. LORENZ, *Director*

VIRDEN E. STAFF,
Chief Highway Engineer

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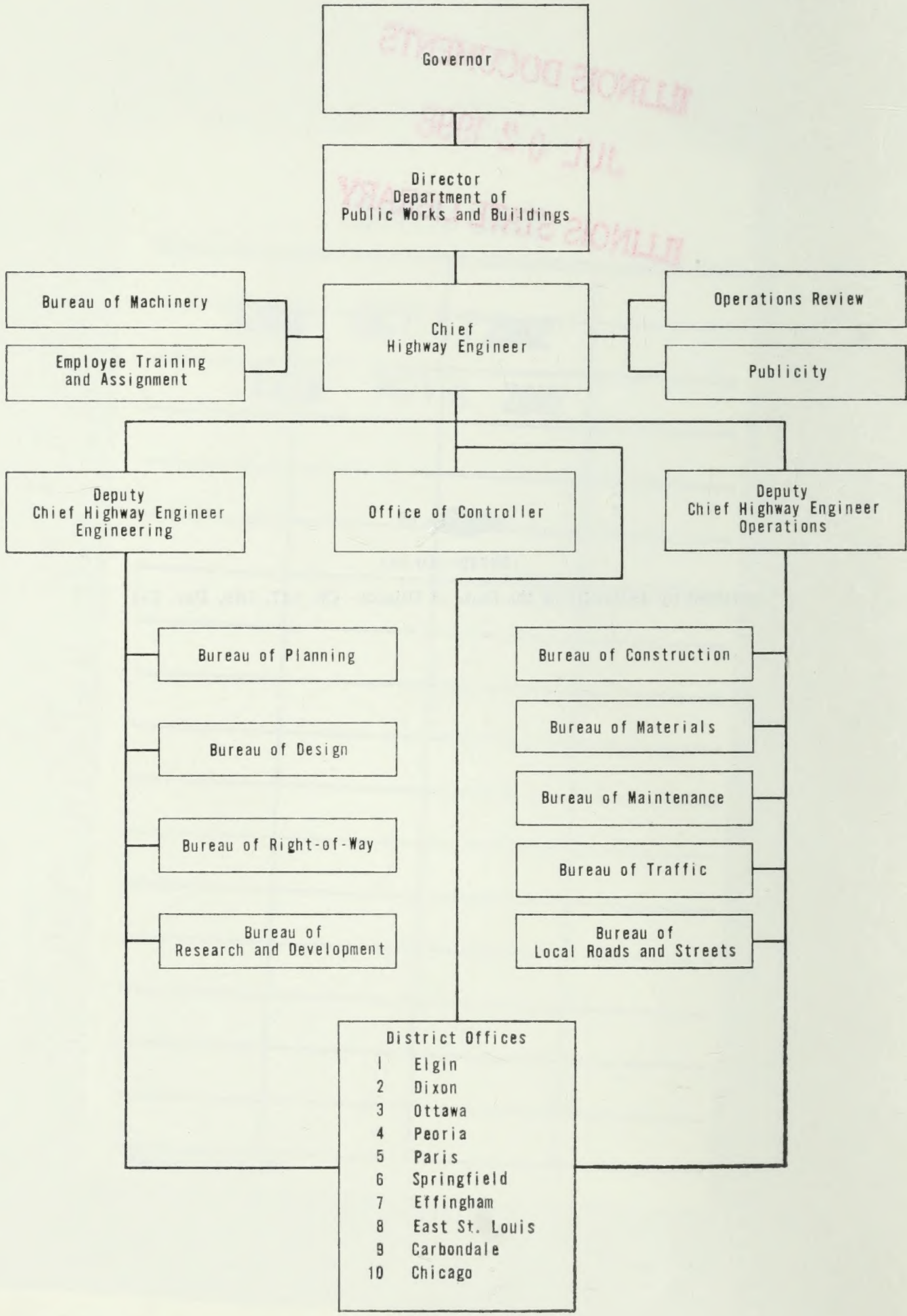


Figure 1

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Administrative Officers of
The Department of Public Works and Buildings
Division of Highways

December 31, 1965

OTTO KERNER, *Governor*
FRANCIS S. LORENZ, *Director*

Division of Highways

VIRDEN E. STAFF, *Chief Highway Engineer*
THEODORE F. MORE, *Assistant Chief Highway Engineer*
ROGER F. NUSBAUM, *Deputy Chief Highway Engineer*
RALPH E. BOWERMASTER, *Controller*
WALTON A. MCCREE, *Engineer of Employee Training and Assignment*

BUREAU CHIEFS

W. M. MARSHALL, *Engineer of Administrative Service*
H. R. HANLEY, *Engineer of Right-of-way*
H. J. ALTON, *Engineer of Design*
R. D. SCHMIDT, *Engineer of Construction*
F. A. DYKINS, *Engineer of Materials*
H. O. SCHEER, *Engineer of Maintenance*
R. D. BROWN, JR., *Engineer of Planning*
J. E. BURKE, *Engineer of Research and Development*
W. R. BERRY, *Engineer of Traffic*
D. C. WIKE, *Superintendent of Transportation*
C. J. VRANEK, *Engineer of Local Roads and Streets*

DISTRICT ENGINEERS

District No. 1—J. H. DINKHELLER, Elgin, Ill.
District No. 2—M. M. MEMLER, Dixon, Ill.
District No. 3—O. A. EVANS, Ottawa, Ill.
District No. 4—J. E. HARLAND, Peoria, Ill.
District No. 5—J. G. KELLER, Paris, Ill.
District No. 6—E. K. DAMOTTE, Springfield, Ill.
District No. 7—I. C. BLISS, Effingham, Ill.
District No. 8—R. E. KRONST, East St. Louis, Ill.
District No. 9—V. T. KUPEL, Carbondale, Ill.
District No. 10—C. A. BENOWICZ, Chicago, Ill.

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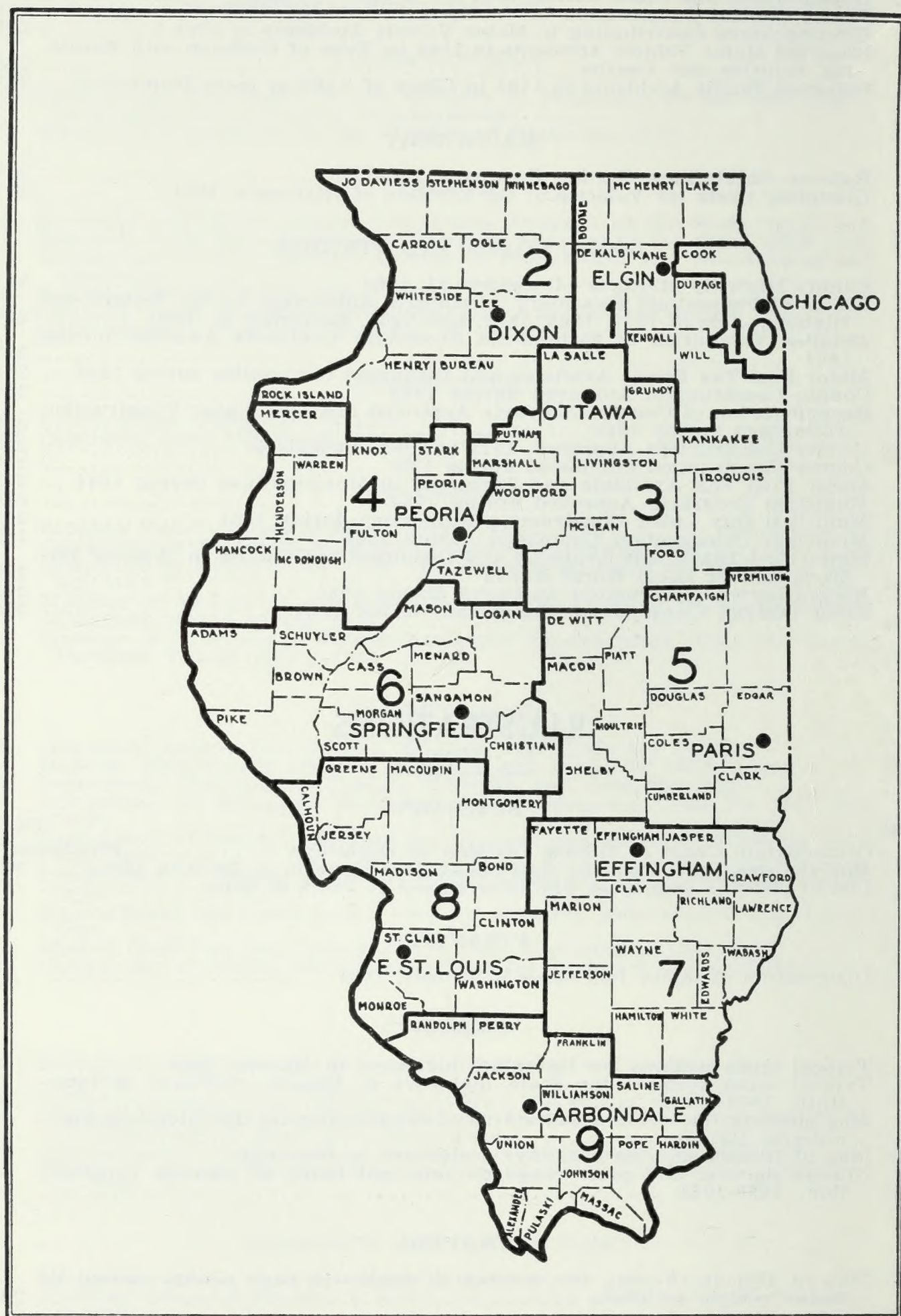


Figure 2.—Map showing State highway districts and the location of district offices.

DIVISION OF HIGHWAYS

I. SUMMARY

This 1964 Annual Report of the Division of Highways contains a detailed account of the administration, construction, and maintenance of State highways in Illinois for the year ending December 31, 1964.

The text, tables, and charts presented here describe the financial transactions of State highway funds; show the typical cross sections used; list the contracts awarded and work accomplished during the year; give the cost and description of maintenance and traffic operation work; and contain the amount of highway construction in local governments which is supervised by the State. Consequently, this report is considered the historical record of the year's work of the Division of Highways. Although printed in limited quantities, it is distributed to legislators and other governmental officials, contractors and engineers, and to public libraries.

1. ORGANIZATION.—The Division of Highways is one of the several divisions included in the Department of Public Works and Buildings. The Chief Highway Engineer, executive officer of the Division, administers the highway work of the State with the aid of assistants, the central offices and bureaus, and the ten highway districts.

In late 1964, changes were being made in the organization of the Division of Highways. These were not complete until late 1965, therefore, the organization chart shown in Figure 1 is for the Division of Highways at December 31, 1965. Likewise, changes in administrative personnel due to reorganization and retirement were made in several administrative positions. The administrative officers of the Division shown in the preliminary pages of this report reflect the changes to December 31, 1965.

In Figure 2 the boundaries of the highway districts and the location of district offices are shown.

2. FEDERAL-AID.—Federal-aid highway funds are made available to reimburse the states for the Federal share of highway construction costs. For interstate highways the Federal share is 90 per cent, but generally for construction purposes on the other Federal-aid systems 50 per cent Federal funds are available.

Federal apportionments are made well in advance of the fiscal year for which they apply. On August 13, 1964 the apportionment to the states for the 1966 fiscal year was announced. The Nationwide appropriation, the gross amount allocated to Illinois, and the net amount available for construction purposes are shown in the following tabulation:

SUMMARY

1966 Fiscal Year Federal-aid Apportionments				
Federal-aid System	Nationwide Appropriation	Amount Available to Illinois		
		Gross	After Deduction for Planning	
			Amount	Per Cent
Interstate.....	\$2, 800, 000, 000	\$145, 660, 200	\$143, 475, 297	77.7
Primary.....	450, 000, 000	16, 578, 576	16, 329, 897	8.9
Urban.....	250, 000, 000	16, 093, 859	15, 852, 451	8.6
Secondary.....	300, 000, 000	9, 058, 134	8, 922, 262	4.8
Total.....	\$3, 800, 000, 000	\$187, 390, 769	\$184, 579, 907	100.0
Per Cent.....	100.0	4.9	4.8	

Since the apportionment for the 1967 fiscal year was made August 30, 1965 prior to publication of this report, information concerning the appropriation and apportionment for that fiscal year follows :

1967 Fiscal Year Federal-aid Apportionments				
Federal-aid System	Nationwide Appropriation	Amount Available to Illinois		
		Gross	After Deduction for Planning	
			Amount	Per Cent
Interstate.....	\$3, 000, 000, 000	\$169, 557, 900	\$167, 014, 532	80.2
Primary.....	450, 000, 000	16, 606, 445	16, 357, 349	7.9
Urban.....	250, 000, 000	16, 053, 115	15, 812, 319	7.6
Secondary.....	300, 000, 000	9, 080, 985	8, 944, 771	4.3
Total.....	\$4, 000, 000, 000	\$211, 298, 445	\$208, 128, 971	100.0
Per Cent.....	100.0	5.3	5.2	

The gross amounts summarized above are shown with previous years' apportionments since the expansion of the Federal-aid program of 1956 in the following tabulation :

Federal-aid Act	For Year Ending June 30	United States (\$000)	Illinois	
			Allocation	Per Cent of Total
FEDERAL-AID INTERSTATE SYSTEM				
1956.....	1957 Supplement	1, 000, 000	\$ 47, 148, 832	4.715
	1958	1, 700, 000	80, 153, 014	4.715
	1959	2, 000, 000	93, 684, 148	4.684
1958.....	1959 Supplement	200, 000	\$ 9, 415, 493	4.708
	1960	2, 500, 000	127, 559, 000	5.102
1959.....	1961	1, 800, 000	\$ 91, 380, 960	5.077
1960.....	1962	2, 200, 000	\$111, 053, 250	5.048
1961.....	1963	2, 400, 000	\$124, 851, 600	5.202
1962.....	1964	2, 600, 000	\$135, 255, 900	5.202
1963.....	1965	2, 700, 000	\$139, 746, 870	5.176
1964.....	1966	2, 800, 000	\$145, 660, 200	5.202
1965.....	1967	3, 000, 000	\$169, 557, 900	5.652
Total.....		24, 900, 000	\$1, 275, 467, 167	5.122

SUMMARY

Federal-aid Act	For Year Ending June 30	United States (\$000)	Illinois	
			Allocation	Per Cent of Total
FEDERAL-AID PRIMARY (EXCLUSIVE OF INTERSTATE)				
1956.....	1957 Supplement	56,250	\$ 2,189,083	3.892
	1958	382,500	14,885,768	3.892
	1959	393,750	15,191,611	3.851
1958.....	1959 Supplement	180,000	\$ 6,979,635	3.878
	1960	405,000	15,469,427	3.820
	1961	416,250	15,516,188	3.728
1960.....	1962	416,250	\$ 15,614,202	3.751
	1963	416,250	15,513,518	3.727
1962.....	1964	427,500	\$ 15,968,454	3.735
	1965	438,750	16,343,528	3.725
1964.....	1966	450,000	\$ 16,578,576	3.684
	1967	450,000	16,606,445	3.690
Total.....		4,432,500	\$166,856,435	3.764
FEDERAL-AID URBAN (EXCLUSIVE OF INTERSTATE)				
1956.....	1957 Supplement	31,250	\$ 2,198,233	7.034
	1958	212,500	14,947,982	7.034
	1959	218,750	15,310,690	6.999
1958.....	1959 Supplement	100,000	\$ 7,034,344	7.034
	1960	225,000	15,748,139	6.999
	1961	231,250	16,104,252	6.964
1960.....	1962	231,250	\$ 14,845,085	6.419
	1963	231,250	14,828,279	6.412
1962.....	1964	237,500	\$ 15,229,044	6.412
	1965	243,750	15,550,670	6.380
1964.....	1966	250,000	\$ 16,093,859	6.438
	1967	250,000	16,053,115	6.421
Total.....		2,462,500	\$163,943,692	6.658
FEDERAL-AID SECONDARY				
1956.....	1957 Supplement	37,500	\$ 1,189,296	3.171
	1958	255,000	8,087,214	3.171
	1959	262,500	8,247,143	3.142
1958.....	1959 Supplement	120,000	\$ 3,789,068	3.158
	1960	270,000	8,378,987	3.103
	1961	277,500	8,366,794	3.015
1960.....	1962	277,500	\$ 8,570,704	3.089
	1963	277,500	8,496,860	3.062
1962.....	1964	285,000	\$ 8,750,018	3.070
	1965	292,500	8,959,941	3.063
1964.....	1966	300,000	\$ 9,058,134	3.019
	1967	300,000	9,080,985	3.027
Total.....		2,955,000	\$ 90,975,144	3.079
Total all systems.....		34,750,000	\$1,697,242,438	4.884

SUMMARY

3. DESIGN.—The construction obligations incurred in 1964, exclusive of right-of-way, amounted to \$252,787,056.84. Included in this amount is \$5,850,271.99 which consists of monies obligated by railroad and utility project agreements, adjustments made on contracts awarded, other agency agreements, preliminary engineering agreements, additions and betterments, incidental work to 1964 construction, and Cook County and City of Chicago utility and railroad grade crossing improvements, etc. The remaining construction obligation, amounting to \$246,936,784.85, consists of contract awards for State highway work. Included are awards by the State, Cook County, and the City of Chicago. The amount of contract awards of each governmental unit and the highway system on which the awards were made are summarized below:

Class of Government	Interstate		Primary	Secondary	Other	Total	
	Amount	Per Cent				Amount	Per Cent
State of Illinois.	\$ 99,379,242.25	62.6	\$63,567,187.23	\$18,450,304.12	\$463,025.62	\$181,859,759.22	73.7
Cook County...	40,137,189.85	25.3	3,399,884.18	.....	.....	43,537,074.03	17.6
City of Chicago	19,274,539.80	12.1	2,265,411.80	.....	.....	21,539,951.60	8.7
Total.....	\$158,790,971.90	100.0	\$69,232,483.21	\$18,450,304.12	\$463,025.62	\$246,936,784.85	100.0
Per cent.....	64.3		28.0	7.5	0.2	100.0	

A detailed discussion of the design work and a list of primary contracts awarded in 1964 are shown in Section IV, Design. Federal-aid secondary contracts are listed in Section XII, Local Roads and Streets.

4. CONSTRUCTION.—Improvements were completed for 847.39 miles of pavement surfaces in 1964. The following tabulation shows the unit of government responsible for the work and the miles completed on each system during the year.

Government	Miles of State Highways Improved in 1964			
	Interstate	Primary	Secondary	Total
State of Illinois.....	89.84	399.89	352.55	842.28
Cook County.....	3.75	0.69	.....	4.44
City of Chicago.....	.....	0.67	.....	0.67
Total.....	93.59	401.25	352.55	847.39

In addition to the mileage of pavement surfaces completed, many bridges and grade separations were necessary. A tabulation of structures completed in 1964 follows:

SUMMARY

System	Bridges		Grade Separations		Total Structures	
	New	Repaired or Widened	New	Repaired or Widened	New	Repaired or Widened
State of Illinois						
Interstate.....	36	1	134	1	170	2
Primary.....	32	72	32	25	64	97
Secondary.....	24				24	
Cook County						
Interstate.....	2		19		21	
Primary.....						
City of Chicago						
Interstate.....			7		7	
Total by System						
Interstate.....	38	1	160	1	198	2
Primary.....	32	72	32	25	64	97
Secondary.....	24				24	
Total all systems.....					286	99

Miscellaneous other work completed during the year consists of placing 1,021,677 square yards of intermittent bituminous resurfacing, grading 28.6 miles under separate contract, and painting 89 bridges and other structures.

A list of the primary highway projects under construction, the name of the contractor, and a brief description of the work involved, is given in Table 23, Section V. of this report. Details of county, city, and local highway construction completed under State supervision are given in Section XII, Local Roads and Streets.

Table 1 gives the status of interstate highway work at December 31, 1964 while Table 2 shows the mileage of pavement completed by the State or by local governments under State supervision since 1914.

TABLE 1.—STATUS OF WORK ON INTERSTATE ROUTES IN ILLINOIS
AT DECEMBER 31, 1964.

FAI Route	Miles Opened to Traffic		Miles Under Construc- tion	Status of Remaining Mileage			Total Miles
	Free ¹	Toll		Right-of- way Being Acquired	Plans Being Prepared	Location Under Study	
24.....						38.0	38.0
55.....	228.3		7.5	6.2		29.7	271.7
57.....	89.5		51.7	126.0	81.6	4.2	353.0
64.....				10.9	112.7		123.6
70.....	56.4		10.2	32.3	61.5		160.4
74.....	74.3	0.5	20.0	53.6	66.1		214.5
80.....	120.5	4.3	10.1	27.6	0.9		163.4
90.....	19.6	73.7			12.5		105.8
94.....	45.9	28.8					74.7
255.....	2.3				4.9	12.2	19.4
270.....	3.3		12.0				15.3
280.....	3.0		1.0	4.2			8.2
294.....		48.1					48.1
474.....				6.1	7.8	0.6	14.5
494.....						21.0	21.0
Total.....	643.1	155.4	112.5	266.9	348.0	105.7	1,631.6

¹ The 643.1 miles of free interstate highways opened to traffic includes 492.7 miles completed to full interstate standards and 150.7 miles in use but on which additional work is necessary.

SUMMARY

TABLE 2.—PAVEMENT MILEAGE CONSTRUCTED BY THE STATE AND BY THE COUNTIES, CITIES, AND TOWNSHIPS UNDER STATE SUPERVISION.

Year	State Construction			County Construc- tion	City MFT Work	Total State, County, and City Work	Township Work ⁴
	Federal-aid Interstate ¹	Primary	Secondary ²				
1914.....				53.58		53.58	
1915.....				100.27		100.27	
1916.....				135.41		135.41	
1917.....				184.38		184.38	
1918.....		6.77		93.36		100.13	
1919.....		152.54		102.06		254.60	
1920.....		270.60		94.92		365.52	
1921.....		285.62		128.32		413.94	
1922.....		546.95		194.15		741.10	
1923.....		858.31		226.71		1,085.02	
1924.....		1,018.21		211.27		1,229.48	
1925.....		786.86		119.54		906.40	
1926.....		361.79		101.95		463.74	
1927.....		522.98		145.46		668.44	
1928.....		1,075.27		229.48		1,304.75	
1929.....		629.51		126.11		755.62	
1930.....		790.22		291.17		1,081.39	
1931.....		759.87		663.67		1,423.54	
1932.....		726.86		818.57		1,545.43	
1933.....		730.55	10.97	513.10		1,254.62	
1934.....		287.91	275.10	397.53	90.55	1,051.09	
1935.....		287.35	176.75	399.00	136.94	1,000.04	
1936.....		154.69	230.01	752.69	228.53	1,365.92	
1937.....		284.63	131.26	649.00	299.69	1,364.58	
1938.....		392.91	228.03	780.92	263.42	1,665.28	
1939.....		309.96	163.68	726.43	293.20	1,493.27	
1940.....		268.55	131.31	677.74	276.13	1,353.73	
1941.....		295.04	102.12	740.50	251.36	1,389.02	
1942.....		300.31	³ 131.35	443.53	147.26	1,022.45	
1943.....		315.67	³ 127.70	320.34	87.31	851.02	
1944.....		380.38	³ 175.85	257.41	98.62	912.26	
1945.....		224.62	³ 56.02	204.74	71.12	556.50	
1946.....		250.37	87.46	222.10	100.33	660.26	8,176.94
1947.....		⁵ 311.32	159.51	293.88	133.96	898.67	8,504.41
1948.....		⁵ 324.14	487.38	270.40	136.77	1,218.69	6,419.33
1949.....		⁵ 434.13	298.41	353.79	181.58	1,267.91	7,047.57
1950.....		⁵ 295.70	164.73	354.40	160.48	975.31	
1951.....		⁵ 756.97	150.92	343.94	166.70	1,418.53	
1952.....		⁵ 1,441.27	460.47	438.28	200.31	2,540.33	642.70
1953.....		⁵ 872.12	562.19	323.34	230.61	1,988.26	1,666.29
1954.....		⁵ 741.82	343.49	267.73	204.23	1,557.27	1,809.58
1955.....		⁵ 371.86	535.69	331.65	301.34	1,540.54	2,018.60
1956.....		⁵ 560.61	491.05	334.19	258.78	1,644.63	1,646.61
1957.....		⁵ 510.96	524.93	273.17	213.67	1,522.73	1,753.53
1958.....	37.37	⁵ 1,035.49	588.33	238.95	244.26	2,144.40	1,612.23
1959.....	40.77	⁵ 648.20	672.36	346.09	208.17	1,915.59	1,563.98
1960.....	95.19	⁵ 611.55	545.15	291.76	224.96	1,768.61	1,451.23
1961.....	45.94	⁵ 571.20	457.84	255.12	196.84	1,526.94	1,301.17
1962.....	73.71	⁵ 639.83	484.14	271.46	226.49	1,695.63	1,106.77
1963.....	86.34	⁵ 616.65	428.64	212.43	258.97	1,603.03	963.06
1964.....	89.84	⁵ 399.89	352.55	193.68	272.00	1,307.96	1,003.63
Totals	469.16	24,419.01	9,735.39	16,499.67	6,164.58	457,287.81	648,687.63

¹ Prior to 1958, interstate work was included in the column showing primary mileage.

² Includes surfacing constructed with State and Federal funds on State-aid or Federal-aid secondary routes, access roads not on the State system, and mileage built in State parks, State institutions, etc.

³ Includes access roads not on the State system.

⁴ Oiled earth, and grading not included.

⁵ Includes full-width portland cement concrete base course and widening of existing portland cement concrete pavement prior to surfacing with bituminous concrete. Mileage of base course and widening (most of which has been surfaced with bituminous concrete) was as follows: 1947—5.77 miles; 1948—6.86 miles; 1949—40.35 miles; 1950—73.29 miles; 1951—284.24 miles; 1952—551.15 miles; 1953—294.97 miles; 1954—252.05 miles; 1955—81.51 miles; 1956—117.84 miles; 1957—105.35 miles; 1958—174.40 miles; 1959—94.78 miles; 1960—81.04 miles; 1961—60.03 miles; 1962—70.69 miles; 1963—47.07 miles; 1964—28.30 miles.

⁶ The figures for 1946 through 1952 are the mileages approved for construction and those for 1953 through 1964 are the mileages actually constructed.

SUMMARY

5. MAINTENANCE.—A summary of the mileage and cost of State highway maintenance and operation in 1964 follows:

System	Miles Maintained		Maintenance and Operation Costs	
	At Dec. 31, 1964	Weighted Average Mileage	Total	Per Mile
Direct Maintenance				
Interstate.....	605.15	554.90	\$ 2,679,587	\$ 4,829
Regular.....	14,327.99	14,314.49	40,753,986	2,847
Expressway.....	105.23	90.10	5,291,917	58,734
Subtotal.....	15,038.37	14,959.49	\$48,725,490	
Municipal Street Maintenance.....	771.03	771.03	\$ 630,374	
Total.....	15,809.40	15,730.52	\$49,355,864	

The cost per mile is calculated by using the weighted average mileage maintained during the year. Additional statistics concerning maintenance and operation of State highways are contained in Section VII.

6. FINANCING.—A summary of receipts and disbursements of the Division of Highways during 1964 is shown in Table 3. The net revenue available to the Division of \$402,963,465.17 was considerably higher than that of the previous year. Although the revenues exclusive of Federal-aid increased only \$5,628,960.88 or 3.8 per cent, the increase in the reimbursement of Federal funds was \$84,667,231.23 or 51.8 per cent over those of 1963. This is accounted for by larger Federal interstate allocations and the ability of Illinois to obligate Federal funds, complete projects, and request reimbursements within a short time.

Expenditures likewise increased by \$65,477,285.78 or 20.0 per cent largely represented by the increased construction program.

A rise of balance of \$7,208,474.35 left \$30,577,872.55 available at December 31, 1964, against which liabilities of the Division for contracts in force and other commitments amounted to \$118,849,704.75.

During 1964, \$21,835,219.96 was advanced to the Cook County Expressway Bond and Interest Fund for service on the \$245 million expressway bond issue, which is being serviced from State Road Fund Revenues. At the end of 1964, \$163.5 million remained outstanding on this issue.

Information on State highway revenues and expenditures are given in much greater detail in Section II, Financing.

SUMMARY

TABLE 3.—SUMMARY OF THE REVENUES AVAILABLE TO AND EXPENDITURES BY THE ILLINOIS DIVISION OF HIGHWAYS DURING 1964.¹

AMOUNTS AVAILABLE			
ROAD FUND REVENUES:			
Motor licenses and operators' license fee receipts.....	\$ 113,807,987.13		
Less Administration and collection costs.....	12,099,414.47		\$101,708,572.66
Motor fuel tax deposited in Road Fund.....			56,609,269.58
Counties' contribution to Federal-aid secondary projects.....			4,855,900.19
Miscellaneous collections and refunds.....			6,558,557.05
Federal aids and grants.....			248,027,456.42
Fines and penalties.....			401,198.70
Subtotal.....			\$418,160,954.60
Less Amount paid other State Departments.....			² 16,774,202.54
			\$ 401,386,752.06
MOTOR FUEL TAX REVENUES:			
Gross receipts from motor fuel tax.....	\$ 178,254,798.18		
Less Refunds on nontaxable motor fuel.....	\$ 12,706,816.56		
Dept. of Revenue administration expense....	386,586.34		
Allotted to down-State counties (Net).....	19,407,030.03		
Allotted Cook County (Net).....	17,789,777.50		
Allotted to municipalities (Net).....	51,752,080.04		
Allotted to townships and road districts.....	16,172,525.02		
Grade Crossing Protection Fund.....	600,000.00		
State Boating Act Fund.....	504,000.00		
Judgments paid to Kaneland Comm. School			
Dist. No. 302.....	750,000.00		
Motor fuel tax deposited in Road Fund.....	56,609,269.58	176,678,085.07	1,576,713.11
Total net revenue all funds.....			\$ 402,963,465.17
BALANCE ON HAND JANUARY 1, 1964.....			23,369,398.20
Total.....			\$ 426,332,863.37

AMOUNTS SPENT

DIRECT EXPENDITURES BY DIVISION OF HIGHWAYS FOR:			
Construction.....	\$ 302,483,128.11		
Maintenance.....	51,063,362.02		
Administration and engineering.....	334,182,528.99		
Miscellaneous.....	45,085,069.12		\$ 392,814,088.24
DEBT SERVICE \$100,000,000 HIGHWAY BONDS:			
Principal.....			
Total expenditures by Division of Highways.....			\$ 392,814,088.24
ADVANCED TO COUNTIES AND MUNICIPALITIES TO AID STATE CONSTRUCTION.....			⁵ 2,940,902.58
Total expenditures (and loans) by Division of Highways.....			\$ 395,754,990.82
BALANCE ON HAND DECEMBER 31, 1964.....			30,577,872.55
Total.....			\$ 426,332,863.37

¹ This tabulation does not contain the financial transactions of the State Garage Revolving Fund. The balances, revenues, and expenditures for this Fund is given in Table

² Includes:	Employees compensation	\$ 337,921.82	
	Treatment expense for injured employees	157,278.72	
	Policing of highways	13,511,974.00	
	Architectural services	230,158.56	
	Commission to investigate, study, and formulate a highway plan for the State.....	8,903.91	
	Secretary of State		
	Land and office building—Cook		
	County	\$ 20,252.28	
	Addition to Centennial Building,		
	Springfield	2,507,713.25	2,527,965.53
	Total		\$16,774,202.54

³ Includes \$31,574,974.57 for administration and engineering and \$2,607,554.42 for highway buildings.

⁴ Contains:	Administration of MFT Law	\$ 1,582,145.13	
	Statewide highway planning survey.....	3,095,636.06	
	Administration of safety responsibility law	370,979.85	
	Development of Lake Taylorville.....	36,308.08	
	Total	\$ 5,085,069.12	

⁵ These expenditures financed the counties' and cities' share of State construction which will be repaid to the State.

SUMMARY

7. LOCAL ROADS AND STREETS.—Tables 4, 5, and 6 give the amount of motor fuel tax allotted to counties, municipalities, and townships during 1964 and the amount withdrawn by local governments for construction and maintenance of roads and streets under their jurisdiction.

Using State allocations of motor fuel tax funds and working under State supervision the counties completed 188.65 miles of road surfacing, graded 18.17 miles under separate contract, oiled 9.58 miles, and constructed 25 bridges exclusive of work on expressways in Cook County. The municipalities surfaced 270.48 miles of streets and built 8 bridges, while townships and road districts surfaced 1,003.63 miles, oiled 87.04 miles, and built 46 bridges.

The work completed by counties and cities, as indicated above, does not include work on expressways by Cook County and the City of Chicago since this work is on the State highway system and included in Section IV, Construction.

Motor fuel tax allotted to each unit of government, the contracts awarded for local work under State supervision, and accomplishments during 1964 are shown in Section XII, Local Roads and Streets.

TABLE 4.—MOTOR FUEL TAX AVAILABLE TO AND WITHDRAWN BY THE COUNTIES OF ILLINOIS DURING 1964.

AMOUNTS AVAILABLE			
BALANCES, JANUARY 1, 1964:			
Cook County, MFT Fund.....	\$ 24,123,722.16		
Down-State Counties, MFT Fund ¹	12,562,706.15	\$ 36,686,428.31	
Less Loan to State General Revenue Fund.....		5,000,000.00	
BALANCE AVAILABLE FOR COUNTY USE AT JANUARY 1, 1964.....		\$ 31,686,428.31	
ALLOTMENTS—MFT TO COUNTIES IN 1964:			
Cook County.....	\$ 17,789,777.50		
Down-State Counties.....	19,407,030.03		
Add State General Revenue Fund—Repayment of Loan ²	5,000,000.00	42,196,807.53	
Total motor fuel tax funds available in 1964.....		\$ 73,883,235.84	

AMOUNTS WITHDRAWN			
Purpose	Motor Fuel Tax Withdrawn		
	Cook County	Down-State Counties ¹	Total
Construction.....	\$ 22,536,259.84	\$ 4,864,497.56	\$ 27,400,757.40
Right-of-way.....	240,826.43	1,043,514.07	1,284,340.50
Engineering.....	563,650.30	1,352,489.00	1,916,139.30
FAS matching.....	502,730.01	1,124,577.85	1,627,307.86
Maintenance.....		8,262,430.30	8,262,430.30
Debt retirement.....	3,840,267.58	150,032.90	3,990,300.48
Miscellaneous.....	22,772.55	850,706.55	873,479.10
Totals.....	\$ 27,706,506.71	\$ 17,648,248.23	\$45,354,754.94
BALANCES, DECEMBER 31, 1964:			
Cook County.....		\$ 14,206,992.95	
Down-State Counties.....		14,321,487.95	
BALANCE AVAILABLE FOR COUNTY USE AT DECEMBER 31, 1964.....			28,528,480.90
Total.....			\$ 73,883,235.84

¹ Down-State Counties refers to all counties excepting Cook County.
² The loan made to the State General Revenue Fund October 13, 1961 was repaid in January 1964.

SUMMARY

TABLE 5.—MOTOR FUEL TAX AVAILABLE TO AND WITHDRAWN BY THE MUNICIPALITIES OF ILLINOIS DURING 1964.

AMOUNTS AVAILABLE		
BALANCE, JANUARY 1, 1964:		
Municipalities, MFT Fund.....	\$ 43,797,845.25	
Less Loan to State General Revenue Fund.....	9,500,000.00	
BALANCE AVAILABLE FOR MUNICIPAL USE AT JANUARY 1, 1964.....		\$ 34,297,845.25
ALLOTMENT—MFT TO MUNICIPALITIES IN 1964.....	\$ 51,752,080.04	
Add State General Revenue Fund—Repayment of Loan ¹	9,500,000.00	61,252,080.0
Total motor fuel tax funds available in 1964.....		<u>\$ 95,549,925.29</u>
AMOUNTS WITHDRAWN		
Purpose		
Construction.....	\$ 26,861,888.52	
Right-of-way.....	586,827.51	
Engineering.....	3,317,645.44	
Maintenance.....	15,705,180.25	
Municipal indebtedness.....	4,989,210.32	
Treasurer's fees and miscellaneous.....	15,417.81	
Total motor fuel tax funds withdrawn.....		\$ 51,476,169.85
BALANCE AVAILABLE DECEMBER 31, 1964.....		44,073,755.44
Total.....		<u>\$ 95,549,925.29</u>

¹ The loan made to the State General Revenue Fund on October 13, 1961 was repaid in January 1964.

TABLE 6.—MOTOR FUEL TAX AVAILABLE TO AND WITHDRAWN BY THE COUNTIES OF ILLINOIS FOR TOWNSHIP AND ROAD DISTRICT ROADS DURING 1964.

AMOUNTS AVAILABLE		
BALANCE, JANUARY 1, 1964:		
Township, MFT Fund.....	\$ 17,520,823.03	
Less Loan to State General Revenue Fund.....	2,500,000.00	
BALANCE AVAILABLE FOR TOWNSHIP USE AT JANUARY 1, 1964.....		\$ 15,020,823.03
ALLOTMENTS—MFT FUNDS TO TOWNSHIPS IN 1964.....	\$ 16,172,525.02	
Add State General Fund—Repayment of Loan ¹	2,500,000.00	18,672,525.02
Total motor fuel tax funds available in 1964.....		<u>\$ 33,693,348.05</u>
AMOUNTS WITHDRAWN		
Purpose		
Construction.....	\$ 7,671,110.32	
Right-of-way.....	38,560.50	
Engineering.....	728,717.37	
Maintenance.....	7,591,032.86	
Township indebtedness.....	87,398.69	
Miscellaneous.....	16,470.35	
Total motor fuel tax funds withdrawn.....		\$ 16,133,290.09
BALANCE AVAILABLE DECEMBER 31, 1964.....		17,560,057.96
Total.....		<u>\$ 33,693,348.05</u>

¹ The loan made to the State General Revenue Fund on October 13, 1961 was repaid in January 1964.

SUMMARY

DIVISION OF HIGHWAYS EMPLOYEES WHO HAVE SERVED 25 YEARS OR MORE

Lauretta B. Abrell
Edwin R. Ailes
Harry J. Alton
Eric B. Anderson
Carroll K. Bair
Vernon F. Barr
Robert H. Bennett
Helen L. Berry
Walter R. Berry
Fremont H. Blandin
Irwin O. Bliss
George M. Bohlig
William J. Bolling
B. M. Borrud
Arthur C. Braming
Herbert L. Brantley
James R. Branton
Frank P. Brock
Kenneth L. Brown
Harold G. Buchanan
O. N. Bullard
Lena Bundy
Louis J. Burg
John E. Burke
James L. Burnett
Cyril V. Burns
Henry C. Buser
Genevieve Cain
James L. Calhoun
Barnett Campbell
Earl W. Carter
Cecil E. Chenoweth
Paul E. Cogan
T. Warren Connole
Joseph B. Conroy
Hazel M. Constant
Dallas M. Costello
Arthur S. Crom
Thomas O. Cromeenes
Nathaniel B. Curran
Earl K. Damotte
John R. Danzer
Nina Anna Denes
Harold K. Dolbow
Walter M. Dombrowski
Ray E. Dunnington
Fred A. Dykins
Lloyd J. Elfine
Clarence W. Engel
Vincent F. Esposito
Robert E. Ferguson
Freda J. Fischer
Addie O. French
Josephine O. Frey
Robert N. Gamble
Harold B. Gegal
Robert B. Gove
Harry P. Graham
Wilfred E. Gronberg
Milton A. Grow
Jesse R. Gulick
Ray P. Hamilton

Helen M. Hanselman
Frank W. Hansford
Aurelius B. Harris
Christian L. Heuer
Paul Hieber
Corrie A. Hightower
Harvey T. Hoffman
Dolph Hoke
Carl E. Holtman
Vance E. Hopper
Jerome Hurwitz
A. Noel Jamison
Kenneth A. Johnson
John R. Johnson
Robert W. Johnson
Charles W. Jones
John G. Keller
Edmund J. Kern
Warren L. Kessler
Arthur P. Kettenhofen
Louis H. Kinsella
Fred Kirchner
Arthur G. Kistler
Angela Kortenber
William S. Krause
Frederick T. Krueger
Milton R. Lawrence
Lloyd E. Leka
Ralph T. Leslie
Marian Lindsay
Chris Locker
William H. Lockhart
Murrel E. Loffland
Eddy Lund
J. Rolland Lyons
Lucille F. Mackay
William J. Mackay
Marianna Madden
Paul J. Malay
Joseph S. Malecki
Charles B. March
W. M. Marshall
Fred C. Mason
Cyril P. Mathy
John W. McCarty
Allen J. McClintick
Walton A. McCree
Gordon S. McDonald
Eileen R. McFall
Mildred McLaughlin
Andrew W. Meloan
Merton M. Memler
John P. Mills
Mary Hallene Moore
Theodore F. Morf
Bert Moskowitz
John C. Mulgrew
Claude R. Nicholson
Gordon J. Nicholson
Thomas H. F. Norris
Vivian E. O'Donnell
John A. Olson

Harold L. Owen
William H. Page
Melvin S. Parsons
S. Emmons Patterson
Walter C. Peterman
Marie Poppe
Neil F. Pruitt
Wesley C. Pruitt
Charles N. A. Richards
T. V. Richardson
Joseph J. Rimsay
H. Harold Roberts
Harold W. Roebuck
Ben C. Rosenberg
Frank R. Runyen
Harold E. Sanders
William A. Sausaman
Charles G. Saville
Isaac O. Sawyer
Henry O. Scheer
Louis Schlaefli
Harold J. Schwaab
Robert E. Scribner
Ralph W. Seabright
George H. Shanahan
Richings J. Shand, Jr.
J. R. Shelburne
Everett L. Sherertz
Harold I. Shively
Elsie Slightom
William N. Sommer
Henry G. Spoerl
Lawrence Spooner
Viola L. Suhr
Theodore S. Swaback
Mary Taposik
Julian A. Taylor
John L. Thomas
Noel F. Thomas
Kenneth E. Tripp
Clarence C. Uhl
Archie V. VanAUSDall
Charles J. Vranek
William M. Waller
R. B. Walters
Ruth Ward
Theodore V. Watrous
Okla Genevieve Welle
Joseph P. Welsch
George Wildeson
Louise M. Wildi
Carl H. Wiley
Robert D. Wiley
Edward M. Willemis
Arthur D. Williams
Irwin E. Winje
Stanley Winn
Wilmer H. Woelfer
Glenn Younkin
Thomas M. Yannello
Gerald H. Zimmerman
Waldemar H. Zumstein

Figure 3.

II. FINANCING

1. GENERAL.—Financing the improvements and maintenance of the system of State highways in Illinois involves the expenditure and recording of large sums of money annually. Budgeting, accounting, and auditing of highway funds are the responsibility of the Office of Controller. Through this office vouchers are issued and records kept of all financial transactions in highway funds; detailed records are made of maintenance and construction costs on each section of State highway; State highway funds expended by local governments are audited annually; budgets are prepared; Division personnel records are kept; and statistical reports are issued periodically concerning all phases of highway financing in Illinois.

Summarization of State highway finance is portrayed in the discussion and tables which follow.

2. RECEIPTS, EXPENDITURES, AND BALANCES.—Detailed information concerning financial transactions of State highway funds is given in Table 12. Both revenues and expenditures showed a considerable increase from the corresponding figures for the 1963 year. Gross revenues increased 21.3 per cent and gross expenditures increased 18.7 per cent. The large increase in revenues was due primarily to the increase in reimbursements of Federal-aid. On July 1, 1964 the "current billing" method of claiming Federal funds was implemented. Under this method all Federal-participating expenditures may be billed to the Federal Government as soon as these expenditures are recorded in the computer. This switch-over in billing methods from the old manual system of claiming Federal funds had the effect of greatly reducing the time lag between an expenditure by the State and the reimbursement by Federal funds.

The large increase in expenditures was due to an accelerated highway construction program.

(a) *Receipts*.—During 1964, a total of \$551,905,897.67 of State highway revenue was deposited in the State Treasury. Not all of this was available for financing work of the Division of Highways. Of the \$178,254,798.18 motor fuel tax collected: refunds to nonhighway users; collection costs; allotments to counties, cities, and townships; reserves for the Grade Crossing Protection Fund and the State Boating Act Fund; and payment of judgments against Kaneland Community Unit School District totaled \$120,068,815.49 leaving \$58,185,982.69 available to the Division of Highways. Likewise included in the \$113,807,987.13 received from registration fees; collection costs, payments to the State highway police, and allowance for miscellaneous items left \$84,898,062.04 available to the Division of Highways. After the deductions mentioned above and shown in Table 12, \$402,927,157.09 of the \$551,905,897.67 remained for use in construction, engineering, and maintenance by the Division of Highways.

The following tabulation shows a comparison of State highways receipts for 1963 and 1964.

FINANCING

Type of Receipt	1963	1964	Change	
			Amount	Per Cent
Registration fees.....	\$110,081,741.53	\$113,807,987.13	\$+ 3,726,245.60	+ 3.38
Federal aids and grants.....	163,360,224.89	248,027,456.42	+84,667,231.53	+ 51.83
Miscellaneous collections.....	10,153,199.05	11,815,655.94	+ 1,662,456.89	+ 16.37
Motor Fuel Tax.....	171,436,516.70	178,254,798.18	+ 6,818,281.48	+ 3.98
Total regular receipts.....	\$455,031,682.17	\$551,905,897.67	\$+96,874,215.50	+ 21.29

(b) *State Highway Expenditures.*—The amount expended by the Division, \$392,777,780.16 in 1964, was more than that of 1963 by \$68,446,039.03, or 21.1 per cent, while the total State highway expenditures, including advances to local governments for highway purposes, also showed an increase of 18.7 per cent when compared with that of 1963. The tabulation which follows compared the amounts expended in 1964 with those of the previous year.

Expenditures by or for	1963	1964	Change	
			Amount	Per Cent
Division of Highways.....	\$324,331,741.13	\$392,777,780.16	\$+68,446,039.03	+ 21.10
Counties.....	31,956,028.79	46,173,886.87	+14,217,858.08	+ 4.45
Municipalities.....	52,565,948.93	53,597,940.50	+ 1,031,991.57	+ 19.63
Townships and Road Districts.....	14,948,612.97	16,133,290.09	+ 1,184,677.12	+ 7.93
Other State Departments.....	41,151,662.58	43,257,327.99	+ 2,105,665.41	+ 5.12
Grade Crossing Protection Fund...	383,117.13	623,886.57	+ 240,769.44	+ 62.84
Total.....	\$465,337,111.53	\$552,564,112.18	\$+87,227,000.65	+ 18.74

(c) *Balances.*—The closing balance in all State highway funds at December 31, 1963 was \$122,858,685.86 as shown in the 1963 Annual Report. At the end of 1964 a total balance of \$122,200,471.35 remained in all highway funds. Of this amount only \$30,577,872.55 was available for commitments of the Division of Highways, against which liabilities for contracts in force and reserves for other construction work and commitments amounted to \$118,849,704.75. The following tabulation shows the balances in the various accounts at January 1, and at December 31, 1964.

Fund	Balances at		Change
	January 1, 1964	December 31, 1964	
Road Fund.....	¹ \$21,882,388.17	¹ \$29,096,294.54	\$+7,213,906.37
Motor Fuel Tax Fund:			
Division of Highways.....	1,487,010.03	1,481,578.01	— 5,432.02
Counties.....	36,686,428.31	28,528,480.90	—8,157,947.41
Municipalities.....	43,797,845.25	44,073,755.44	+ 275,910.19
Townships and Road Districts.....	17,520,823.03	17,560,057.96	+ 39,234.93
State Treasurer, Relief Bonds.....	225.00	225.00	.....
Grade Crossing Protection Fund.....	1,483,966.07	1,460,079.50	— 23,886.57
Totals.....	\$122,858,685.86	\$122,200,471.35	\$— 658,214.51

¹ Includes \$31,960.00, reserved for service on State highway bonds.

FINANCING

3. SOURCES OF STATE HIGHWAY REVENUE.—The sources of funds for highway purposes in Illinois are (a) vehicle registration fees, (b) motor fuel tax, (c) Federal aids, (d) State general revenue fund appropriations, and (e) miscellaneous collections.

The amount received from each of these sources has been shown in accompanying tabulations, but little has been said of their source or collection. These are explained briefly in the discussion which follows:

(a) *Vehicle Registration Fees*.—Fees in this item include State licenses issued for motor vehicles, trailers, drivers and chauffeurs, and for miscellaneous purposes relating to motor vehicles. Registration fees are collected by the Secretary of State and deposited in the Road Fund. Collection expense incurred is payable from the Road Fund.

TABLE 7.—DETAIL OF HIGHWAY REVENUES FOR CALENDAR YEAR 1964.

ROAD FUND REVENUES:		
Motor license and operators' license fees.....	\$ 113,807,987.13	
Federal Aids and Grants:		
Regular Federal-aid program.....	\$ 20,613,071.69	
Federal Secondary program.....	9,535,950.61	
Federal Urban program.....	21,199,327.89	
Federal Interstate program.....	196,238,218.44	
Federal Forest Highway program.....	7,016.47	
Federal Access Roads program.....	12,591.97	
Area Redevelopment Admin. program.....	421,279.35	
Total Federal aids and grants.....	\$ 248,027,456.42	
Miscellaneous Collections:		
Other State Department refunds.....	\$ 8,238.78	
Traffic Permits.....	142,621.56	
Public Safety refunds.....	61,672.00	
Reimbursement of expenses.....	3,022,912.99	
Reimbursement from counties for construction advances.....	654,736.31	
Reimbursement from counties for secondary road construction.....	4,855,900.19	
Reimbursement from municipalities for construction cost advances.....	2,668,375.41	
Fines and penalties.....	401,198.70	
Total miscellaneous collections.....	\$ 11,815,655.94	
Transfers from Motor Fuel Tax Fund.....	56,609,269.58	
Total Road Fund revenues.....	\$ 430,260,369.07	
MOTOR FUEL TAX REVENUES:		
Motor fuel tax collected.....	\$ 178,254,700.61	
Special deposit to Motor Fuel Tax Fund—Counties.....	97.57	\$ 178,254,798.18
Less:		
Transferred to Road Fund.....	\$ 56,609,269.58	
Transferred to Grade Crossing Protection Fund.....	600,000.00	
Transferred to State Boating Act Fund.....	504,000.00	
Payment of judgment against Kaneland Community Unit School District.....	750,000.00	58,463,269.58
Net Motor Fuel Tax Fund revenues.....	\$ 119,791,528.60	
GRADE CROSSING PROTECTION FUND REVENUES:		
Transfers from Motor Fuel Tax Fund.....	600,000.00	
STATE BOATING ACT FUND REVENUES:		
Transfers from Motor Fuel Tax Fund.....	504,000.00	
Auditor of Public Accounts—Revenue for payment of judgment against Kaneland Community Unit School District.....	750,000.00	
Total revenues, all funds.....	\$ 551,905,897.67	

TABLE 8.—ANNUAL STATE REVENUE FOR HIGHWAY PURPOSES 1911 - 1964.

Year	Road Fund					Bond Funds 60M and 100M Issues	Motor Fuel Tax Fund	Grade Crossing Protection Fund	Trust Fund	General Revenue Fund Allocations for Highway Purposes	Total
	Motor License and Operators' License Fees	Federal- Aid	Miscellaneous	Motor Fuel Tax ¹	Total						
1911- 1915..	\$ 2,542,580.16				\$ 2,542,580.16					\$ 290,588.25	2,833,168.41
1916- 1920..	14,730,506.97	\$ 5,724,799.05	60,390.18		20,515,696.20					306,180.14	20,821,876.34
1921- 1925..	49,064,864.64	16,076,023.50	1,303,933.20		66,444,821.34	\$81,990,912.24					148,435,733.58
1926- 1930..	79,986,236.63	16,661,444.12	1,657,817.84	\$ 6,407,589.81	104,713,088.40	71,725,400.00	\$ 35,791,497.11			877,401.82	213,107,387.33
1931..	19,201,521.14	10,063,542.21	293,793.69	36,530.40	29,595,387.44		30,222,440.40			223,585.88	60,041,413.72
1932..	16,812,097.50	4,888,086.14	195,232.94	502,762.35	22,398,178.93	1,983,500.00	29,060,264.01			27,801.78	53,469,744.72
1933..	15,514,501.29	7,271,723.92	272,550.28		23,088,775.49		30,920,366.65			23,918.20	54,033,060.34
1934..	18,189,190.93	13,663,956.76	178,430.17		32,031,577.86		31,006,380.09				63,037,957.95
1935..	19,988,807.85	8,880,882.56	197,548.18		29,067,238.59		31,771,511.28				60,838,749.87
1936..	18,685,682.83	18,449,527.07	180,772.26		37,315,982.16		35,433,014.14				72,748,996.30
1937..	21,253,188.44	15,648,505.31	299,437.77		37,231,131.52		38,950,820.29				76,181,951.81
1938..	21,754,616.24	9,194,477.62	231,517.19		31,180,611.05		39,536,348.09				70,716,959.14
1939..	24,678,040.42	7,283,227.14	604,474.51		32,565,742.07		42,327,572.43				74,893,314.50
1940..	24,037,765.01	9,330,449.44	637,548.51		34,005,762.96		45,286,015.72				79,291,778.68
1941..	25,852,799.98	5,586,877.20	591,285.65		32,030,962.83		48,648,263.73				80,679,226.56
1942..	23,771,384.62	3,970,309.57	527,099.93		28,268,794.12		44,584,819.98				72,853,614.10
1943..	24,037,431.29	7,182,876.22	159,735.91		31,380,043.42		34,015,607.91			221,026.40	65,616,677.73
1944..	22,942,406.55	2,717,935.17	3140,910.12		25,800,957.84		35,166,505.80			853,119.81	61,820,583.48
1945..	23,396,891.33	1,405,921.39	4196,090.29		25,298,903.01		37,486,710.53			287,265.11	63,072,878.65
1946..	27,917,192.83	2,754,479.49	295,731.69		30,967,404.01		48,711,936.17			13,420,060.59	93,099,300.77
1947..	30,492,814.24	6,227,802.26	993,400.15		37,714,016.65		53,801,933.48			2,187,074.84	93,703,024.97
1948..	32,892,386.26	14,827,994.23	2,645,795.30	9,809,067.97	50,366,175.79		58,889,358.50			13,189,757.18	122,445,291.47
1949..	41,986,130.32	15,526,936.34	2,693,251.72	19,632,478.32	70,015,386.35		52,599,525.21			2,817,380.87	125,432,292.43
1950..	40,437,007.68	14,553,825.13	1,762,456.26	20,018,519.39	76,385,767.39		48,530,845.50		\$1,347,061.42	343,391.77	126,607,066.08
1951..	44,607,331.92	18,413,925.26	907,511.57	27,448,212.23	83,947,288.14		57,836,041.17		2,471,795.73	354,071.26	144,609,799.30
1952..	52,327,170.57	26,908,982.94	2,546,878.69	38,636,458.54	109,231,244.43		69,707,721.74		1,343,596.23	333,296.04	180,615,858.44
1953..	69,467,775.00	25,800,389.22	6,700,031.16	38,518,698.60	140,784,653.92		87,314,714.65		376,553.62	327,836.95	228,803,759.11
1954..	71,942,193.55	26,955,333.75	5,014,534.97	43,701,119.35	142,430,760.87		92,846,072.45		130,718.46	287,931.54	235,695,483.32
1955..	74,929,696.50	35,140,812.81	6,730,165.38	45,611,615.12	160,090,228.05		94,336,151.26	\$ 125,000.00		284,371.77	254,835,754.08
1956..	86,103,830.45	32,445,599.00	7,088,621.34	48,518,034.89	169,339,170.14		98,837,789.37	300,000.00		288,821.22	268,765,780.71
1957..	89,472,754.46	32,899,818.43	8,221,293.43	49,608,695.65	176,205,481.44		100,530,159.38	300,000.00		155,513.08	277,191,153.90
1958..	95,583,744.21	107,089,299.32	7,477,916.44	46,861,864.08	257,015,824.06		102,479,709.73	300,000.00			359,795,523.79
1959..	94,745,886.67	183,086,159.17	9,451,191.46	48,518,034.89	335,800,772.19		107,367,787.08	475,000.00			443,613,559.27
1960..	98,704,381.89	186,893,487.35	8,704,826.48	49,608,695.65	343,911,391.37		108,656,774.66	600,555.49			453,168,721.52
1961..	100,729,647.65	133,343,534.61	9,130,097.87	50,832,962.17	294,086,152.30		109,935,185.24	600,200.83			404,621,538.37
1962..	110,755,846.75	162,916,652.73	12,223,553.41	52,452,213.22	338,348,266.11		114,017,606.59	600,074.76			452,965,947.46
1963..	110,081,741.53	163,360,224.89	10,138,266.55	54,162,002.78	337,742,235.75		6116,844,317.71	600,000.00			455,186,553.49
1964..	113,807,987.13	248,027,456.42	11,815,655.91	56,609,269.58	430,260,369.07		6121,045,528.60	600,000.00			551,905,897.67
Total..	\$1,853,665,233.43	\$1,601,173,277.75	\$122,569,604.43	\$652,710,707.81	\$4,230,118,823.42	\$155,699,812.24	\$2,234,497,802.66	\$1,590,831.08	\$5,669,725.46	\$37,100,394.53	\$6,667,587,389.39

¹ Revenue shown prior to 1933 consists of collections from the 1927 gas tax legislation, the amounts shown after 1933 are from the 1929 and later motor fuel tax legislation.

² Contains \$58,458,312.24 from the \$60M and \$23,532,600.00 from the \$100M State highway bond issues.

³ Does not agree with figure published in 1944 Annual Report because of auditing adjustments.

⁴ Includes \$250,000.00 transferred from the State Garage Revolving Fund as a reimbursement of funds advanced in 1943.

⁵ Includes \$210,000.00 transferred to the State Boating Act Fund for the use of the Department of Conservation.

⁶ Includes \$504,000.00 transferred to the State Boating Act Fund for the use of the Department of Conservation and \$750,000.00 payment of judgments against the Kaneland Community Unit School District by the Auditor of Public Accounts.

FINANCING

TABLE 9.—MOTOR VEHICLES REGISTERED IN ILLINOIS, 1911 - 1964.¹

Registration Year	Number of Vehicles Registered					
	Passenger Cars	Trucks and Buses	Motorcycles	Trailers	Dealers' Licenses	Chauffeur Registrations
1911.....	39,269		4,346			
1912.....	68,012		9,238		874	8,162
1913.....	94,646		12,183		1,041	13,153
1914.....	131,140		14,852		1,198	17,827
1915.....	180,832		15,710		1,458	22,995
1916.....	248,429		14,931		2,671	33,022
1917.....	340,292		13,740		3,745	43,679
1918.....	389,701		10,834		3,548	45,696
1919.....	478,438		10,920		4,960	53,123
1920.....	503,762	65,307	10,597		6,282	69,365
1921.....	583,441	80,031	8,935		7,041	69,226
1922.....	682,250	99,876	7,871		4,214	56,789
1923.....	847,005	122,282	7,612		4,516	92,871
1924.....	981,859	141,706	6,873	2,044	4,488	96,924
1925.....	1,101,943	161,234	6,603	3,777	4,557	99,372
1926.....	1,195,014	175,489	6,156	3,350	4,688	102,849
1927.....	1,254,421	184,564	6,135	3,489	4,594	100,398
1928.....	1,314,003	190,356	5,826	3,742	4,548	94,169
1929.....	1,410,913	204,175	6,055	5,068	4,605	106,551
1930.....	1,429,146	209,114	6,245	7,341	4,368	108,538
1931.....	1,411,261	201,509	5,811	9,283	3,883	93,056
1932.....	1,311,783	181,715	5,274	8,950	3,266	70,788
1933.....	1,276,864	186,186	4,959	9,228	2,922	66,559
1934.....	1,285,434	178,496	4,766	10,792	3,449	70,584
1935.....	1,342,904	190,843	5,291	14,636	3,896	78,931
1936.....	1,459,195	208,926	5,924	18,408	3,963	90,228
1937.....	1,556,702	220,639	6,490	23,475	4,329	97,573
1938.....	1,567,775	222,582	6,848	23,396	4,199	88,974
1939.....	1,626,689	232,888	7,227	25,296	4,363	123,313
1940.....	1,707,512	228,889	7,742	29,349	4,679	135,299
1941.....	1,825,142	234,703	7,672	32,236	4,862	141,199
1942.....	1,747,253	233,386	9,242	30,429	3,742	141,680
1943.....	1,592,837	221,634	8,247	26,014	3,282	125,576
1944.....	1,518,629	216,930	8,381	26,371	3,904	125,182
1945.....	1,508,222	224,929	8,834	31,776	4,595	142,714
1946.....	1,614,490	254,059	16,016	45,998	6,332	193,854
1947.....	1,753,109	291,773	22,506	51,810	7,028	214,618
1948.....	1,904,991	317,048	30,369	56,365	7,603	232,637
1949.....	2,078,704	336,044	28,627	56,943	7,349	242,192
1950.....	2,286,572	362,975	26,682	60,776	7,347	252,993
1951.....	2,407,130	382,335	24,782	64,971	7,560	262,366
1952.....	2,458,462	382,873	24,020	68,222	7,783	267,150
1953.....	2,580,668	377,073	23,637	72,699	7,941	270,046
1954.....	2,694,253	393,045	22,880	80,545	7,680	267,115
1955.....	2,858,869	409,217	23,263	90,249	7,868	270,500
1956.....	2,984,584	423,910	24,004	104,549	8,321	300,146
1957.....	3,076,362	436,382	24,755	116,493	8,502	298,746
1958.....	3,127,657	441,880	33,436	131,524	9,174	301,185
1959.....	3,221,902	457,633	27,904	146,319	9,015	297,064
1960.....	3,312,800	464,447	26,123	158,316	8,850	299,497
1961.....	3,389,608	469,910	25,617	167,968	8,828	297,390
1962.....	3,496,232	481,897	27,091	179,684	8,562	305,764
1963.....	3,607,545	496,261	30,131	200,160	8,596	307,116
1964.....	3,744,086	514,156	37,043	218,030	8,760	314,173

¹ Reported by Secretary of State.

(b) *Motor Fuel Tax Funds.*—The distribution of the motor fuel tax collected in 1964 is shown in Figure 4. The Department of Revenue is responsible for collecting the tax (5 cents per gallon State tax during 1964) and for depositing the collections in the State Treasury. At the beginning of each month the amount deposited in the State Treasury during the preceding month is cleared for apportionment. The refunds and administrative costs are paid, transfers to other funds specifically provided by statute are made, and the remaining amount is allotted the various governmental units as follows: 35 per cent to the Division of Highways; 32 per cent to

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DISTRIBUTION OF MOTOR FUEL TAX
IN ILLINOIS
1964

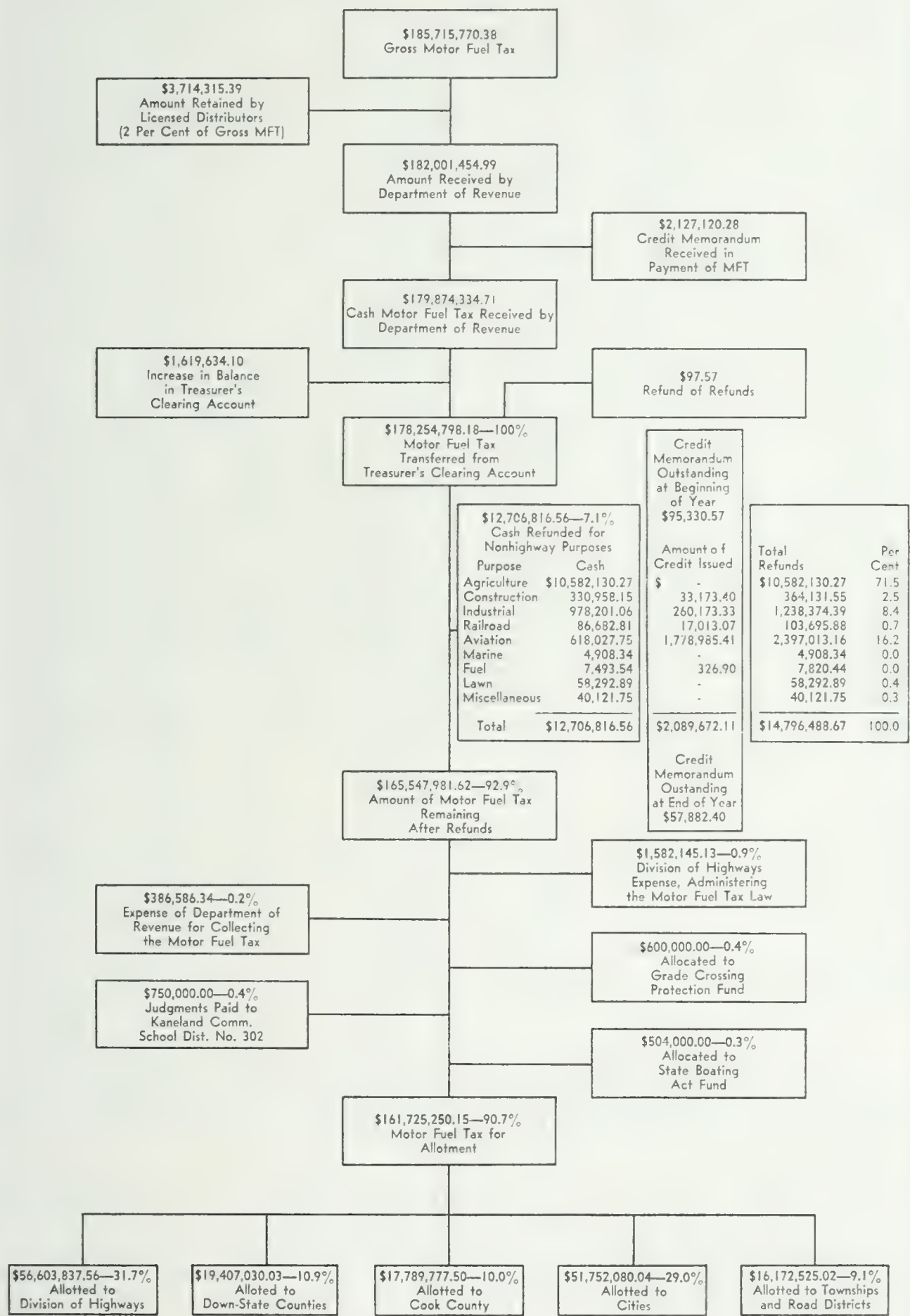


Figure 4.

FINANCING

TABLE 10.—PERCENT OF THE TOTAL STATE MOTOR VEHICLE LICENSE FEES
PAID BY RESIDENTS OF EACH COUNTY IN 1964.

County	Per Cent of Fees Collected		County	Per Cent of Fees Collected	
	In All Counties	In Down-State Counties ¹		In All Counties	In Down-State Counties ¹
Adams.....	.827	1.433	Lee.....	.441	.765
Alexander.....	.130	.225	Livingston.....	.602	1.044
Bond.....	.208	.360	Logan.....	.417	.722
Boone.....	.247	.428	Macon.....	1.339	2.320
Brown.....	.091	.157	Macoupin.....	.544	.943
Bureau.....	.517	.896	Madison.....	2.233	3.869
Calhoun.....	.079	.136	Marion.....	.506	.877
Carroll.....	.243	.421	Marshall.....	.186	.321
Cass.....	.210	.365	Mason.....	.251	.435
Champaign.....	1.268	2.196	Massac.....	.203	.351
Christian.....	.514	.891	McDonough.....	.374	.648
Clark.....	.244	.422	McHenry.....	1.089	1.886
Clay.....	.242	.419	McLean.....	1.031	1.787
Clinton.....	.340	.590	Menard.....	.152	.263
Coles.....	.636	1.101	Mercer.....	.219	.379
Cook.....	12.275		Monroe.....	.195	.338
Crawford.....	.312	.540	Montgomery.....	.464	.803
Cumberland.....	.117	.202	Morgan.....	.448	.776
DeKalb.....	.661	1.146	Moultrie.....	.193	.335
DeWitt.....	.242	.419	Ogle.....	.541	.937
Douglas.....	.272	.471	Peoria.....	2.117	3.668
DuPage.....	2.942	5.098	Perry.....	.254	.440
Edgar.....	.333	.577	Piatt.....	.213	.368
Edwards.....	.123	.213	Pike.....	.293	.507
Effingham.....	.279	.483	Pope.....	.051	.089
Fayette.....	.272	.471	Pulaski.....	.083	.143
Ford.....	.280	.484	Putnam.....	.076	.132
Franklin.....	.394	.683	Randolph.....	.330	.571
Fulton.....	.570	.988	Richland.....	.244	.423
Gallatin.....	.109	.189	Rock Island.....	1.832	3.175
Greene.....	.235	.407	Saline.....	.316	.547
Grundy.....	.304	.526	Sangamon.....	1.606	2.784
Hamilton.....	.121	.209	Schuyler.....	.122	.211
Hancock.....	.353	.612	Scott.....	.106	.183
Hardin.....	.065	.113	Shelby.....	.318	.551
Henderson.....	.119	.206	Stark.....	.132	.228
Henry.....	.659	1.142	St. Clair.....	2.401	4.161
Iroquois.....	.523	.905	Stephenson.....	.505	.875
Jackson.....	.425	.735	Tazewell.....	1.316	2.281
Jasper.....	.159	.276	Union.....	.209	.361
Jefferson.....	.397	.687	Vermilion.....	1.121	1.943
Jersey.....	.194	.336	Wabash.....	.186	.321
JoDavies.....	.214	.371	Warren.....	.270	.468
Johnson.....	.097	.168	Washington.....	.187	.323
Kane.....	2.262	3.919	Wayne.....	.279	.483
Kankakee.....	1.090	1.888	White.....	.291	.503
Kendall.....	.255	.441	Whiteside.....	.729	1.262
Knox.....	.787	1.364	Will.....	2.092	3.626
Lake.....	2.643	4.579	Williamson.....	.531	.919
LaSalle.....	1.551	2.687	Winnebago.....	2.304	3.993
Lawrence.....	.228	.394	Woodford.....	.400	.693
			Total.....	100.000	100.000

¹The 12 per cent of motor fuel tax which is allotted down-State counties is allocated to each county on the basis of the State license fees collected in that county in comparison with those collected in all down-State counties during the previous year. The percentages indicate the approximate share of allotments for each down-State county in 1965.

municipalities; 11 per cent to counties with a population of 500,000 or more (Cook County); 12 per cent, collectively, to other counties; and 10 per cent to counties for township and road district roads.

The share allotted to the Division of Highways is transferred to the Road Fund and expended from this fund for highway purposes. The allotment to the several counties having less than 500,000 inhabitants is allocated each county in proportion to the amount of motor vehicle license fees received from its residents, respectively, during the preceding license year. The share of the motor fuel tax allotted to the municipalities, collectively, is divided among those

units in the ratio that their populations bear to the total population of incorporated places in the State. The allotment to the counties for road district roads is divided among them on the basis of road mileage under township and road district maintenance.

(c) *Federal Aids*.—Federal funds for highway purposes are received by the State as reimbursement for work done and monies expended on projects covered by project agreements with the Federal Government. Primary Federal aid is allotted to the State for the improvement of roads included in the Federal-aid primary system; secondary Federal aid is available for expenditure on projects located on the Federal-aid secondary system; urban Federal aid is available for expenditure on projects located in urban areas on the Federal-aid primary system or on approved extensions of the Federal-aid secondary system; and interstate Federal aid may be used on projects located on the National System of Interstate and Defense Highways. Projects located on these systems and approved by the Federal Government are financed in equal shares from State and Federal funds with certain exceptions. Projects using the interstate allotment were changed from 50 per cent Federal participation to 60 per cent Federal participation starting with projects financed with funds made available by the Federal-Aid Highway Act of 1954, and further increased from 60 per cent Federal participation to 90 per cent Federal participation starting with projects financed with funds made available by the Federal-Aid Highway Act of 1956. On Federal-aid secondary projects, the State's share is usually partially financed by the county in which the project is located. However, the post-war Federal highway acts provide that 10 per cent of the total allotments for post-war construction may be used for elimination of hazards at railroad crossings. Federal funds used for this purpose are either 100 per cent grants or are matched by 10 per cent State funds in some instances.

As an antirecession measure, Congress approved an additional apportionment of Federal-aid funds to the various States in 1958 in which the Federal participation was 66 $\frac{2}{3}$ per cent. These funds, which were identified as "D" funds, could be used on any of the Federal systems without limitation as to amount on any one system and could be claimed only on specific projects which were programed against these funds. All of these projects had to be completed by December 1, 1959 to be eligible for this type of Federal aid.

In addition to the "D" fund apportionment, provision was made for the States to borrow two-thirds of the required matching funds on "D" projects. The total funds loaned under this provision were deducted in equal amounts from the 1960 and 1961 Federal-aid apportionments.

(d) *General Revenue for Highway Purposes*.—No General Revenue Fund appropriations were available for State highway work during the year 1964.

(e) *Miscellaneous Collections*.—The amount \$11,815,655.94 collected from miscellaneous sources is itemized in Table 7. All of these receipts were deposited in the Road Fund.

Public safety refunds consist of payments by members of the State Highway Police for lost equipment. Reimbursement of ex-

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TABLE 11.—STATUS OF FEDERAL-AID FUNDS, DECEMBER 31, 1964.

For Year Ending June 30 ¹	Allotment	Work Completed and Re- imbursement Received ²	Obligated by Contract or Agreement but not Completed ³	Programed	Unobligated
FEDERAL-AID PRIMARY					
1959.....	\$15,191,611.00	\$15,191,611.00	.....	.....	.....
1959 ⁵	3,038,322.00	3,038,322.00	.....	.....	.....
1959 ¹⁰	11,989,762.88	11,989,762.88	.....	.....	.....
1960.....	15,469,427.00	15,469,427.00	.....	.....	.....
1961 ¹¹	13,514,886.00	13,514,886.00	.....	.....	.....
1961 ⁷	3,103,237.00	3,103,237.00	.....	.....	.....
1962.....	13,618,918.75	13,618,918.75	.....	.....	.....
1963.....	15,425,095.00	15,425,095.00	.....	.....	.....
1964.....	15,968,454.00	15,968,454.00	.....	.....	.....
1965.....	16,343,528.00	5,364,531.29	\$10,978,996.71	.....	.....
1966.....	16,578,576.00	.....	3,221,128.99	\$636,700.00	\$12,720,747.01
Totals.....	\$140,241,817.63	\$112,684,244.92	\$14,200,125.70	\$636,700.00	\$12,720,747.01
FEDERAL-AID URBAN					
1956.....	\$12,098,383.00	\$12,098,383.00	.....	.....	.....
1957.....	10,696,428.00	10,696,428.00	.....	.....	.....
1957.....	2,198,233.00	2,198,233.00	.....	.....	.....
1958 ⁴	11,970,829.00	11,970,829.00	.....	.....	.....
1959 ⁸	12,272,368.00	12,272,368.00	.....	.....	.....
1959 ¹⁰	756,446.35	756,446.35	.....	.....	.....
1960.....	15,748,139.00	15,748,139.00	.....	.....	.....
1961 ⁸	12,872,016.00	12,872,016.00	.....	.....	.....
1962 ⁹	14,721,935.90	14,721,935.90	.....	.....	.....
1963.....	14,849,013.00	14,849,013.00	.....	.....	.....
1964.....	15,229,044.00	15,229,044.00	.....	.....	.....
1965.....	15,550,670.00	195,786.42	\$15,354,883.58	.....	.....
1966.....	16,093,859.00	.....	8,441,206.44	\$907,500.00	\$6,745,152.56
Totals.....	\$155,057,364.25	\$123,608,621.67	\$23,796,090.02	\$907,500.00	\$6,745,152.56
FEDERAL-AID INTERSTATE					
1954 (50 per cent participation)	\$963,234.00	\$963,234.00	.....	.....	.....
1955 (50 per cent participation)	970,391.00	970,391.00	.....	.....	.....
1956 (60 per cent participation)	8,105,625.00	8,105,625.00	.....	.....	.....
1957 (60 per cent participation)	8,116,903.00	8,116,903.00	.....	.....	.....
1957.....	47,148,832.00	47,148,832.00	.....	.....	.....
1958.....	80,153,014.00	80,153,014.00	.....	.....	.....
1959 (90 per cent participation)	93,684,148.00	93,684,148.00	.....	.....	.....
1959.....	9,415,493.00	9,415,493.00	.....	.....	.....
1960.....	127,559,000.00	127,559,000.00	.....	.....	.....
1961.....	91,380,960.00	91,380,960.00	.....	.....	.....
1962.....	111,053,250.00	111,053,250.00	.....	.....	.....
1963.....	124,851,600.00	124,851,600.00	.....	.....	.....
1964.....	135,255,900.00	135,255,900.00	.....	.....	.....
1965.....	139,746,870.00	5,898.97	\$139,740,971.03	.....	.....
1966.....	145,660,200.00	.....	56,474,804.01	\$5,187,516.00	\$83,997,879.99
Totals.....	\$1,124,065,420.00	\$838,664,248.97	\$196,215,775.04	\$5,187,516.00	\$83,997,879.99
FEDERAL-AID SECONDARY					
1958.....	\$8,087,214.00	\$8,087,214.00	.....	.....	.....
1959.....	8,247,143.00	8,247,143.00	.....	.....	.....
1959 ¹⁰	5,056,837.77	5,056,837.77	.....	.....	.....
1960.....	8,378,987.00	8,378,987.00	.....	.....	.....
1961.....	8,078,909.00	8,078,909.00	.....	.....	.....
1962.....	8,299,633.92	8,299,633.92	.....	.....	.....
1963.....	8,496,860.00	8,496,860.00	.....	.....	.....
1964.....	8,750,018.00	5,316,561.84	\$3,433,456.16	.....	.....
1965.....	8,959,941.00	.....	7,661,317.93	.....	\$1,298,623.07
1966.....	9,058,134.00	.....	.....	.....	9,058,134.00
Totals.....	\$81,413,677.69	\$59,962,146.53	\$11,094,774.09	.....	\$10,356,757.07

FINANCING

TABLE 11.—Concluded.

For Year Ending June 30 ¹	Allotment	Work Completed and Re- imbursement Received ²	Obligated by Contract or Agreement but not Completed ³	Programed	Unobligated
FOREST HIGHWAYS					
1960.....	\$37,062.00	\$37,062.00	.....	.....	.....
1961.....	36,650.00	36,650.00	.....	.....	.....
1962.....	36,407.00	36,407.00	.....	.....	.....
1963.....	36,368.00	29,981.09	\$6,386.91	.....	.....
1964.....	34,230.00	.....	34,230.00	.....	.....
1965.....	38,033.00	.....	33,774.56	.....	\$4,258.44
1966.....	38,033.00	.....	.....	.....	38,033.00
Totals.....	\$256,783.00	\$140,100.09	\$74,391.47	.....	\$42,291.44

¹ All Federal allocations for previous fiscal years were completed and accepted by the Federal Bureau of Public Roads prior to December 31, 1960.

² Refers to reimbursements received from Federal Bureau of Public Roads.

³ Based on contract prices plus 5 to 10 per cent for contingencies. Includes funds allocated to right-of-way acquisition and to highway planning and research projects.

⁴ 1958 allotment was \$14,947,982.00 of which \$2,977,153.00 was transferred to primary.

⁵ Transferred from 1959 urban allotment.

⁶ 1959 allotment was \$15,310,690.00 of which \$3,038,322.00 was transferred to primary.

⁷ Transferred from 1961 funds on April 28, 1960.

⁸ 1961 allotment was \$15,975,253.00 of which \$3,103,237.00 was transferred to primary on April 28, 1960.

⁹ 1962 allotment was \$14,845,085.00 of which \$123,149.10 was deducted and applied against the "L" fund allotment.

¹⁰ In the 1958 Federal-aid Highway Act additional Federal-aid funds were appropriated for the year ending June 30, 1959. Funds apportioned to Illinois for primary, urban, and secondary work were called "D" funds. Since these funds were an antirecession measure, they had to be obligated on December 1, 1958, and completed by December 1, 1959. Consequently their use was permitted on any system. The following tabulation shows the allocation of "D" funds to Illinois and their application:

	Allocation	Application
FAP	\$ 6,979,635	\$ 11,989,763
FAU	7,034,344	756,446
FAS	3,789,068	5,056,838
Total	\$ 17,803,047	\$ 17,803,047

¹¹ Net allocation after loans and advances.

penses includes items such as refunds from railroads for costs of grade separation structures; refunds from other states for testing services; revenue from permits to operate oversize and overweight vehicles on State highways; sale of plans to contractors; and refunds from other individuals and agencies for construction on State highways performed for the benefit of both parties.

4. STATE AIDS.—(a) *Motor Fuel Tax Funds*.—The State collects the motor fuel tax and apportions a part to the counties, municipalities, and road districts. These funds remain in the State Treasury, but are credited to the account of each unit of government as they accrue. When a highway or street project is approved by the Division of Highways the amount needed, or so much as is available in the respective account of the unit of government involved, is disbursed from that unit's funds. Tables 4, 5, and 6 show the balances, allotments, and the amount disbursed to the counties, municipalities, and road districts in 1964.

FINANCING

(b) *Other State Aids.*—Occasionally when State highway construction is financed jointly between local governments and the State, the State pays for construction or right-of-way needed and is reimbursed by the county or city involved. The amounts advanced by the State and repaid by counties and cities are given in the following tabulation.

Item	Counties	Cities	Total
Unpaid balances, January 1, 1964.....	\$605,437.52	\$1,694,407.55	\$2,299,845.07
Expenditures during 1964 for construction and right-of-way to be repaid by counties and cities.....	819,131.93	2,121,770.65	2,940,902.58
Total.....	\$1,424,569.45	\$3,816,178.20	\$5,240,747.65
Repayments during 1964.....	654,736.31	2,668,375.41	3,323,111.72
Unpaid balances, December 31, 1964.....	\$769,833.14	\$1,147,802.79	\$1,917,635.93

5. BOND ISSUES.—Several bond issues are redeemed from motor-user taxes.

(a) *State Highway Bonds.*—The \$60,000,000 highway bond issue (enacted on June 22, 1917 and approved by referendum vote of the people on November 4, 1918) and the \$100,000,000 highway bond issue (enacted on June 29, 1923 and approved by referendum vote of the people on November 4, 1924) are retired from Road Fund revenues. Sales of these bonds occurred in the period 1921 to 1932.

The last of the \$60,000,000 highway bond issue was retired in 1953. In May of 1959 the last of the \$100,000,000 highway bond issue matured. However, at the end of 1964, \$25,000 remained outstanding which had not been submitted for payment.

(b) *The Relief Bonds.*—An issue of \$20,000,000 authorized in 1932 and another for \$30,000,000 authorized in 1934 were retired from allotments of motor fuel tax to counties and municipalities. The last of the \$20,000,000 relief bond issue was retired in 1950, and the final payment on the \$30,000,000 relief bond issue was made in 1955.

(c) *Expressway Bond Issue.*—Legislation in 1955 authorized counties having a population of 500,000 or more (Cook County) to issue bonds without a referendum vote of the people in the amount of \$245,000,000 for the construction of expressways. Under this authorization Cook County issued the following bonds:

Series	Amount	Date of Issue	Interest Rate
A.....	\$40,000,000	Oct. 1, 1955	25 ⁵ / ₈
B.....	10,000,000	Oct. 1, 1957	37 ⁷ / ₈
C.....	25,000,000	June 1, 1958	23 ³ / ₄
D.....	25,000,000	Dec. 1, 1958	33 ³ / ₈
E.....	25,000,000	Nov. 1, 1959	4
F.....	25,000,000	May 1, 1960	31 ¹ / ₂
G.....	25,000,000	Dec. 1, 1960	31 ¹ / ₄
H.....	25,000,000	Oct. 1, 1961	31 ¹ / ₂
I.....	25,000,000	May 1, 1962	27 ⁷ / ₈
J.....	20,000,000	Dec. 1, 1963	3
	\$245,000,000		

TABLE 12.—RECEIPTS, EXPENDITURES, AND BALANCES—ALL HIGHWAY FUNDS 1961

Account	Road Fund				Motor Fuel Tax Fund						Grade Crossing Protection Fund
	Total All Funds	Division of Highways	Other State Departments	Total	Division of Highways	Other State Departments	Counties	Cities	Townships and Road Districts	Total	
Balance Available—January 1, 1961	\$ 105,858,685.86	\$ 21,850,428.17	\$ 31,960.00	\$ 21,882,388.17	\$ 1,487,010.03	\$ 225.00	\$ 31,686,428.31	\$ 34,297,845.25	\$ 15,020,823.03	\$ 82,492,331.62	\$ 1,483,966.07
Add: Repayment of Loan—General Revenue Fund—January 1961	17,000,000.00						5,000,000.00	9,500,000.00	2,500,000.00	17,000,000.00	
Balance Available for Use in 1961	\$ 122,858,685.86	\$ 21,850,428.17	\$ 31,960.00	\$ 21,882,388.17	\$ 1,487,010.03	\$ 225.00	\$ 36,686,428.31	\$ 43,797,845.25	\$ 17,520,823.03	\$ 99,492,331.62	\$ 1,483,966.07
Add—Receipts—1961											
Registration Fees	\$ 113,807,987.13	\$ 84,898,062.04	\$ 28,909,925.09	\$ 113,807,987.13							
Federal aids and grants	248,027,456.42	248,027,456.42		248,027,456.42							
Refunds from counties for Federal secondary construction	4,855,900.19	4,855,900.19		4,855,900.19							
Miscellaneous collections	6,558,557.05	6,558,557.05		6,558,557.05							
Motor Fuel Tax revenues	178,254,798.18	56,009,269.58		56,009,269.58	\$ 1,576,713.11	\$ 14,347,402.90	\$ 37,196,807.53	\$ 51,752,080.04	\$ 16,172,525.02	\$ 121,045,528.60	\$ 600,000.00
General Fund highway revenues											
Trust Fund advance from Federal Government											
Trust Fund reimbursements by State											
Fines and penalties	401,198.70	401,198.70		401,198.70							
Total receipts—1961	\$ 551,905,897.67	\$ 401,350,443.98	\$ 28,909,925.09	\$ 430,260,369.07	\$ 1,576,713.11	\$ 14,347,402.90	\$ 37,196,807.53	\$ 51,752,080.04	\$ 16,172,525.02	\$ 121,045,528.60	\$ 600,000.00
Total revenues available—1961	\$ 674,764,583.53	\$ 423,200,872.15	\$ 28,941,885.09	\$ 452,142,757.24	\$ 3,063,723.14	\$ 14,347,627.90	\$ 73,883,235.84	\$ 95,549,925.29	\$ 33,693,348.05	\$ 220,537,860.22	\$ 2,083,966.07
Deduct—Expenditures—1961											
DIVISION OF HIGHWAYS:											
Construction of Highways:											
1. Construction	\$ 242,411,860.52	\$ 242,411,860.52		\$ 242,411,860.52							
2. Additions and betterments—SBI and FA routes	2,397,745.64	2,397,745.64		2,397,745.64							
3. Additions and betterments—Erection of traffic signals											
4. Additions and betterments—No-passing zones											
5. Construction through municipalities—Special appropriations											
6. City highway and beltline construction	1,521.99	1,521.99		1,521.99							
7. Construction of large bridges—Special appropriations											
8. State-aid reconstruction	15,599.99	15,599.99		15,599.99							
9. State-aid reconstruction											
10. Miscellaneous construction—Special appropriations	646,072.58	22,186.01		22,186.01							
10a. Payments to Cook County for expressway construction	22,664,884.79	22,664,884.79		22,664,884.79							\$ 623,886.57
10b. Payments to City of Chicago for expressway construction	13,134,109.21	13,134,109.21		13,134,109.21							
10c. Trust Fund reimbursements by State											
10d. Payments to St. Clair County—Access roads											
10e. Bond Service—Cook County Expressway Bonds	21,835,219.96	21,835,219.96		21,835,219.96							
Total construction	\$ 303,107,014.68	\$ 302,483,128.11		\$ 302,483,128.11							\$ 623,886.57
Construction of Highway Buildings, Including Land:											
11. Construction of buildings and improvements	\$ 2,537,185.77	\$ 2,537,185.77		\$ 2,537,185.77							
Construction of weighing stations (including mobile units)	70,368.65	70,368.65		70,368.65							
Total construction of buildings	\$ 2,607,554.42	\$ 2,607,554.42		\$ 2,607,554.42							
Overhead Costs:											
12. Administration, engineering, testing, and equipment	\$31,574,974.57	\$31,574,974.57		\$ 31,574,974.57							
13. Administration expense—Motor Fuel Tax Law	1,582,145.13			1,582,145.13							
14. Compensation for damages to private property											
15. Mechanical, engineering, and testing services to other State Departments											
16. State-wide highway planning survey	3,095,636.06	3,095,636.06		3,095,636.06							
16a. Administering Safety Responsibility Law	370,979.85	370,979.85		370,979.85							
16b. Transportation study of Chicago metropolitan area											
Total overhead	\$ 36,023,735.61	\$ 35,041,590.48		\$ 35,041,590.48	\$ 1,582,145.13					\$ 1,582,145.13	
Maintenance Costs:											
17. Maintenance of State highways	\$ 42,162,047.62	\$ 42,162,047.62		\$ 42,162,047.62							
18. Maintenance of city highways and beltlines	630,374.51	630,374.51		630,374.51							
19. Highway traffic control	8,270,939.89	8,270,939.89		8,270,939.89							
20. Maintenance and operation of garages											
Total maintenance	\$ 51,063,362.02	\$ 51,063,362.02		\$ 51,063,362.02							
Policing Costs:											
21. Policing of highways (traffic control)											
22. Construction, maintenance, and operation of police radio stations											
Total policing											
Highway Debt Service:											
23. Principal payments on State highway bonds—\$50M and \$100M											
24. Interest payments on State highway bonds—\$50M and \$100M											
24a. Repayment to Federal Government											
Total debt service											
Total highway expenditures—Division of Highways	\$ 393,401,666.73	\$ 391,195,635.03		\$ 391,195,635.03	\$ 1,582,145.13					\$ 1,582,145.13	\$ 623,886.57
COUNTIES, TOWNSHIPS, AND MUNICIPALITIES: (FUND TRANSFERS AND ADVANCES)											
25. Refunds to counties—State Bond Issue											
26. Refunds to counties—Sec. 15d of Road and Bridge Laws											
27. Refunds to municipalities											
28. Motor fuel tax allotments paid to counties	\$ 45,354,754.94						\$ 45,354,754.94			\$ 45,354,754.94	
29. Motor fuel tax allotments paid to municipalities	51,476,169.85							\$ 51,476,169.85		51,476,169.85	
29a. Flood damage repair funds paid to local units											
29b. Advanced to counties for right-of-way purchases	819,131.93	819,131.93		819,131.93							
29c. Advanced to municipalities to facilitate construction	2,121,770.65	2,121,770.65		2,121,770.65							
29d. Funds paid to counties for construction of secondary and feeder roads											
29e. Motor fuel tax allotments paid to counties for townships and road districts	16,133,290.09								\$ 16,133,290.09	16,133,290.09	
Total disbursements to counties, townships, and municipalities	\$ 115,905,117.46	\$ 2,940,902.58		\$ 2,940,902.58			\$ 45,354,754.94	\$ 51,476,169.85	\$ 16,133,290.09	\$ 112,964,214.88	
OTHER STATE DEPARTMENTS:											
30. Operation of State Automobile Department—Secretary of State	\$ 5,992,426.01		\$ 5,992,426.01	\$ 5,992,426.01							
31. Operators' License Department—Secretary of State	6,106,988.46		6,106,988.46	6,106,988.46							
32. Administration of Motor Fuel Tax Law—Department of Revenue	386,586.34					\$ 386,586.34				\$ 386,586.34	
33. Refunds on nontaxable motor fuel—Department of Revenue	12,706,816.56					12,706,816.56				12,706,816.56	
34. Administration of compensation for injuries—Department of Finance											
35. Employees' compensation—Auditor of Public Accounts and Dept. of Finance	337,921.82		337,921.82	337,921.82							
36. Treatment expense of injured employees—Department of Finance	157,278.72		157,278.72	157,278.72							
37. Printing and Postage—Department of Finance and Department of Revenue											
38. Policing of highways—Department of Public Safety	13,511,974.00		13,511,974.00	13,511,974.00							
38a. Court of Claims Awards—Auditor of Public Accounts											
38b. Operation of the Illinois State Toll Highway Commission											
38c. Architectural Services—Division of Architecture and Engineering	230,153.56		230,153.56	230,153.56							
38d. Operation of Safety Responsibility Department—Secretary of State											
38e. Land and Office Building—Cook County—Secretary of State	20,252.28		20,252.28	20,252.28							
38f. Administration of Motor Vehicle Law—Secretary of State											
38g. Addition to Centennial Building—Springfield—Secretary of State	2,507,713.25		2,507,713.25	2,507,713.25							
38h. Transfers to State Boating Act Fund—available to Department of Conservation	504,000.00					504,000.00				504,000.00	
38i. Commission to investigate, study, and formulate a highway plan for State	8,903.91		8,903.91	8,903.91							
Total expenditures—Other State departments	\$ 42,471,019.91	\$ 28,873,617.01		\$ 28,873,617.01		\$ 13,597,402.90				\$ 13,527,402.90	
DIVERSIONS:											
39. Allotments paid to City of Chicago for school purposes											
40. Allotments paid to State Common School Fund											
41. Principal and interest on \$20,000,000 Relief Bond Issue											
42. Principal and interest on \$30,000,000 Relief Bond Issue											
43. Emergency relief paid to counties											
44. Auditor of Public Accounts—Payment of judgments against Kaneland Community School District	\$ 750,000.00					\$ 750,000.00				\$ 750,000.00	
46. Department of Conservation—Development of Lake Taylorville	36,308.08		36,308.08	36,308.08							
Total diversions	\$ 786,308.08	\$ 36,308.08		\$ 36,308.08		\$ 750,000.00				\$ 750,000.00	
Grand total expenditures	\$ 552,564,112.18	\$ 394,136,537.61	\$ 28,909,925.09	\$ 423,046,462.70	\$ 1,582,145.13	\$ 14,347,402.90	\$ 45,354,754.94	\$ 51,476,169.85	\$ 16,133,290.09	\$ 128,893,762.91	\$ 623,886.57
Balance in Funds—December 31, 1961	\$ 122,200,471.35	\$ 429,064,334.54	\$ 31,960.00	\$ 29,096,294.54	\$ 1,481,578.01	\$ 225.00	\$ 28,328,480.90	\$ 44,073,755.44	\$ 17,560,057.96	\$ 91,644,097.31	\$ 1,460,079.50

The transactions of the State Garage Revolving Fund are not included in this table. They are: opening balance \$193,389.21, receipts \$2,656,469.23, expenditures \$2,618,335.40, and closing balance \$231,523.04. This statement also includes payment by Auditor of judgment against Kaneland Community School District (HB-1583) in amount of \$750,000.00. Line 44 shows actual payment.

Includes \$12,500.00 contractors' proposal guarantees retained in Protest Fund in State Treasury pending disposition by court order.

TABLE 13.—SUMMARY OF EXPENDITURES BY FUNDS FOR THE CALENDAR YEARS 1913 - 1964.
(EXCLUSIVE OF STATE GARAGE REVOLVING FUND)

FINANCING

Accounts	Total	Road Fund	State Bond Road Fund	General Revenue Fund	Motor Fuel Tax Fund	Trust Fund	Grade Crossing Protection Fund
DIVISION OF HIGHWAYS:							
Construction of Highways:							
1. Construction.....	\$2, 599, 220, 868.82	\$2, 202, 360, 357.89	\$142, 887, 084.16	\$562, 255.90	\$248, 741, 445.41	\$4, 669, 725.46	.....
2. Additions and betterments—SBI and FA routes.....	17, 562, 473.15	16, 970, 507.82	353, 012.70	.....	238, 952.63	.....	.....
3. Additions and betterments—Erection of traffic signals.....	318, 692.25	318, 692.25	.....	.....	.....	.....	.....
4. Additions and betterments—No-passing zones.....	62, 360.68	62, 360.68	.....	.....	.....	.....	.....
5. Construction through municipalities—Special appropriations.....	1, 170, 422.62	1, 170, 422.62	.....	.....	.....	.....	.....
6. City highway and beltline construction.....	19, 659, 211.18	8, 306, 848.29	.....	.....	11, 352, 362.89	.....	.....
7. Construction of large bridges—Special appropriations.....	1, 388, 401.26	663, 714.45	.....	724, 686.81	.....	.....	.....
8. State-aid construction.....	4, 148, 334.70	4, 148, 334.70	.....	.....	.....	.....	.....
9. State-aid reconstruction.....	1, 738, 721.69	1, 738, 721.69	.....	.....	.....	.....	.....
10. Miscellaneous construction—Special appropriations.....	5, 064, 207.35	720, 112.73	.....	1, 303, 343.04	.....	.....	\$3, 040, 751.58
10a. Payments to Cook County for expressway construction.....	63, 489, 360.11	63, 489, 360.11	.....	.....	.....	.....	.....
10b. Payments to City of Chicago for expressway construction.....	130, 335, 358.92	130, 335, 358.92	.....	.....	.....	.....	.....
10c. Trust Fund reimbursement by State.....	586, 173.10	586, 173.10	.....	.....	.....	.....	.....
10d. Payments to St. Clair County—Access roads.....	119, 033.07	119, 033.07	.....	.....	.....	.....	.....
10e. Bond service—Cook County expressway bonds.....	117, 978, 177.70	117, 978, 177.70	.....	.....	.....	.....	.....
Total construction.....	\$2, 962, 841, 796.60	\$2, 548, 968, 176.02	\$143, 240, 096.86	\$2, 590, 285.75	\$260, 332, 760.93	\$4, 669, 725.46	\$3, 040, 751.58
Construction of Highway Buildings, including Land:							
11. Construction of buildings and improvements.....	\$22, 972, 711.46	\$22, 972, 711.46	.....	.....	.....	.....	.....
11a. Construction of weighing stations (including mobile units)	1, 382, 187.59	1, 382, 187.59	.....	.....	.....	.....	.....
Total construction of buildings.....	\$24, 354, 899.05	\$24, 354, 899.05	.....	.....	.....	.....	.....
Overhead Costs:							
12. Administration, engineering, testing, and equipment.....	\$318, 180, 631.31	\$306, 032, 652.99	\$11, 208, 711.74	\$939, 266.58	.....	.....	.....
13. Administration expense—Motor Fuel Tax Law.....	22, 543, 354.95	.....	.....	.....	\$22, 543, 354.95	.....	.....
14. Compensation for damages to private property.....	8, 483.75	8, 483.75	.....	.....	.....	.....	.....
15. Mechanical, engineering, and testing services to other State departments.....	18, 294.14	.....	.....	18, 294.14	.....	.....	.....
16. State-wide highway planning survey.....	26, 503, 548.34	26, 503, 548.34	.....	.....	.....	.....	.....
16a. Administering Safety Responsibility Law.....	6, 000, 809.51	2, 912, 976.65	.....	3, 087, 832.86	.....	.....	.....
16b. Transportation study of Chicago metropolitan area.....	2, 505, 049.98	2, 505, 049.98	.....	.....	.....	.....	.....
Total overhead.....	\$375, 760, 171.98	\$337, 962, 711.71	\$11, 208, 711.74	\$4, 045, 393.58	\$22, 543, 354.95	.....	.....
Maintenance Costs:							
17. Maintenance of State highways.....	\$534, 224, 849.86	\$534, 210, 530.17	.....	\$14, 319.69	.....	.....	.....
18. Maintenance of city highways and beltlines.....	15, 910, 816.79	8, 476, 047.91	.....	.....	\$7, 434, 768.88	.....	.....
19. Highway traffic control and safety.....	60, 643, 773.93	60, 643, 773.93	.....	.....	.....	.....	.....
20. Maintenance and operation of garages.....	14, 283, 048.90	3, 109, 199.15	.....	.....	1, 173, 849.75	.....	.....
Total maintenance.....	\$615, 062, 489.48	\$606, 439, 551.16	.....	\$14, 319.69	\$8, 608, 618.63	.....	.....
Policing Costs:							
21. Policing of highways.....	\$14, 089, 773.28	\$14, 089, 773.28	.....	.....	.....	.....	.....
22. Construction, maintenance, and operation of police radio stations.....	1, 183, 980.79	1, 183, 980.79	.....	.....	.....	.....	.....
Total policing.....	\$15, 273, 754.07	\$15, 273, 754.07	.....	.....	.....	.....	.....

TABLE 13.—Concluded.

Accounts	Total	Road Fund	State Bond Road Fund	General Revenue Fund	Motor Fuel Tax Fund	Trust Fund	Grade Crossing Protection Fund
DIVERSIONS:							
39. Allotments paid to City of Chicago for school purposes...	\$15,644,228.60				\$15,644,228.60		
40. Allotments paid to State Common School Fund.....	6,654,256.46				6,654,256.46		
41. Principal and interest on \$20,000,000 Relief Bond Issue...	26,217,795.00				26,217,795.00		
42. Principal and interest on \$30,000,000 Relief Bond Issue...	40,764,831.00				40,764,831.00		
43. Emergency relief paid to counties.....	3,146,363.19				3,146,363.19		
44. Auditor of Public Accounts payments of judgment against Kaneland Community Unit School District.....	750,000.00				750,000.00		
45. Department of Conservation — Development of Lake Taylorville.....	36,308.08	\$36,308.08					
Total diversions.....	\$93,213,782.33	\$36,308.08			\$93,177,474.25		
Grand total expenditures.....	\$6,545,386,918.04	\$4,201,022,528.88	\$155,699,812.24	\$37,100,394.53	\$2,142,853,705.35	\$5,669,725.46	\$3,040,751.58

¹ Includes \$250,000.00 transferred from the Road Fund to the State Garage Revolving Fund for the purchase of garage equipment.

FINANCING

The redemption of the Cook County expressway bonds was provided for either by a Cook County property tax or by State appropriations. The law also provided for establishing an Expressway Bond and Interest Sinking Fund for deposit of funds made available for the bond retirement.

Since the purpose of the expressway bond issue was to construct State highways in Cook County, the State has advanced the entire service, amounting to \$117,978,177.70, into the Cook County Expressway Bond and Interest Sinking Fund since 1956. The amount above includes \$21,835,219.96 paid in 1964 into the sinking fund account which, together with earnings of the sinking fund, will finance the following payments of principal and interest.

Bond Series	Principal		Interest	
	Amount	Due	Amount	Due
A.....	\$2,000,000.00	10-1-64	\$288,750.00 288,750.00	4-1-65 10-1-65
B.....	500,000.00	10-1-64	135,625.00 135,625.00	4-1-64 10-1-64
C.....	1,500,000.00	10-1-64	206,250.00 185,625.00	10-1-64 4-1-65
D.....	1,250,000.00 1,250,000.00	12-1-64 12-1-65	210,937.50 168,750.00	12-1-64 6-1-65
E.....	1,250,000.00 1,250,000.00	12-1-64 12-1-65	300,000.00 250,000.00	12-1-64 6-1-65
F.....	1,250,000.00 1,250,000.00	5-1-64 5-1-65	306,250.00 262,500.00	5-1-64 11-1-64
G.....	1,000,000.00	12-1-64	357,500.00 357,500.00	6-1-64 12-1-64
H.....	500,000.00 500,000.00	10-1-64 10-1-65	402,500.00 385,000.00	10-1-64 4-1-65
I.....	1,000,000.00	5-1-65	330,625.00 330,625.00	11-1-64 5-1-65
J.....	2,000,000.00	12-1-64	600,000.00 270,000.00	12-1-64 6-1-65
Total.....	\$16,509,000.00		\$5,772,812.50	
Total Principal and Interest..... \$22,272,812.50				

FINANCING

The following tabulation shows the levy schedule and the amount of principal and interest due annually on the \$245,000,000 Cook County Expressway Bond Issue.

Levy Schedule		Year	Payment Schedule		
Principal	Interest		Principal Due Each Year	Interest Due Each Year	Total Bond Service Each Year
\$2,000,000.....	\$2,047,500.00	1955			
2,000,000.....	945,000.00	1956	\$2,000,000	\$1,050,000.00	\$3,050,000.00
2,500,000.....	1,280,000.00	1957	2,000,000	997,500.00	2,997,500.00
8,250,000.....	3,664,479.17	1958	2,500,000	1,332,500.00	3,832,500.00
10,750,000.....	3,991,783.33	1959	7,000,000	3,021,041.67	10,021,041.67
14,250,000.....	5,178,450.00	1960	9,500,000	3,663,958.33	13,163,958.33
14,500,000.....	5,604,700.00	1961	13,000,000	5,350,625.00	18,350,625.00
16,000,000.....	6,109,700.00	1962	14,000,000	5,356,875.00	19,356,875.00
16,500,000.....	5,772,825.00	1963	15,000,000	5,954,375.00	20,954,375.00
16,500,000.....	4,931,575.00	1964	16,500,000	5,700,000.00	22,200,000.00
17,500,000.....	4,390,325.00	1965	16,500,000	5,158,750.00	21,658,750.00
19,500,000.....	3,799,075.00	1966	17,500,000	4,617,500.00	22,117,500.00
18,250,000.....	3,161,575.00	1967	18,500,000	4,043,750.00	22,543,750.00
15,750,000.....	2,566,250.00	1968	19,500,000	3,420,625.00	22,920,625.00
13,250,000.....	2,063,125.00	1969	17,000,000	2,783,125.00	19,783,125.00
12,000,000.....	1,653,750.00	1970	14,500,000	2,230,000.00	16,730,000.00
12,000,000.....	1,288,125.00	1971	12,000,000	1,820,625.00	13,820,625.00
12,000,000.....	922,500.00	1972	12,000,000	1,455,000.00	13,455,000.00
8,500,000.....	607,500.00	1973	12,000,000	1,089,375.00	13,089,375.00
8,500,000.....	343,125.00	1974	8,500,000	723,750.00	9,223,750.00
4,000,000.....	131,250.00	1975	8,500,000	459,375.00	8,959,375.00
500,000.....	19,375.00	1976	4,500,000	195,000.00	4,695,000.00
		1977	2,500,000	48,125.00	2,548,125.00
\$245,000,000.....	\$60,471,987.50		\$245,000,000	\$60,471,875.00	\$305,471,875.00

The amounts retired and the amounts outstanding in the five bond issues are summarized below :

Bond Issue	Amount Issued	Amount Retired to 12-31-63	Amount Retired During 1964	Bonds Outstanding at 12-31-64
Highways.....	\$ 60,000,000	\$ 60,000,000		
Highways.....	100,000,000	99,975,000		\$25,000
Highways Total.....	\$160,000,000	\$159,975,000		\$25,000
Emergency Relief.....	\$ 20,000,000	\$ 20,000,000		
Emergency Relief.....	30,000,000	30,000,000		
Total Relief.....	\$ 50,000,000	\$ 50,000,000		
Cook County Expressways.....	\$245,000,000	\$ 65,000,000	\$ 16,500,000	\$163,500,000

III. RIGHT-OF-WAY

1. GENERAL.—The Bureau of Right-of-way has the responsibility of supervising the expenditure of funds for right-of-way required in connection with the improvement of the State highway system. Assistance and advice are provided for the district engineers of each of the ten districts in matters relative to the acquisition of right-of-way by purchase or condemnation. The actual negotiations with the property owners are carried out by the district right-of-way engineer, under the direct supervision of the district engineer.

The acquisition of right-of-way for interstate routes in the Chicago metropolitan area is a joint undertaking by the City of Chicago, County of Cook, and the State. Negotiations with property owners on the city and county portions are conducted by these agencies.

2. RIGHT-OF-WAY ACQUIRED IN 1964.—A total of \$26,280,940.86 was expended for the purchase of State highway right-of-way during 1964. Of this amount, \$20,673,476.93 was spent by the Division of Highways while the County of Cook expended \$1,541,461.06 and the City of Chicago \$4,066,002.87. The cost of right-of-way for interstate highways amounted to \$16,329,886.54 or 62.1 per cent of the total right-of-way expenditures; that for other Federal-aid primary highways \$9,130,609.62 or 34.7 per cent; for primary highways not on the Federal-aid system \$578,464.98 or 2.2 per cent; and for Federal-aid secondary and miscellaneous State-maintained roads \$241,979.72 or 1.0 per cent. These expenditures are shown in the following tabulation.

Government Purchasing Right-of-way	Primary System			Federal-aid Secondary	Other State	Total
	Federal-aid		State Only			
	Interstate	Primary				
State of Illinois...	\$10, 976, 892.61	\$8, 876, 139.62	\$578, 464.98	\$229, 226.72	\$12, 753.00	\$20, 673, 476.93
City of Chicago...	3, 811, 532.87	254, 470.00	.....	.....	.....	4, 066, 002.87
Cook County.....	1, 541, 461.06	.....	.....	.....	.....	1, 541, 461.06
Total.....	\$16, 329, 886.54	\$9, 130, 609.62	\$578, 464.98	\$229, 226.72	\$12, 753.00	\$26, 280, 940.86
Per Cent.....	62.1	34.7	2.2	0.9	0.1	100.0

RIGHT-OF-WAY

A breakdown of the costs of right-of-way purchased by the State into right-of-way and incidental expense follows:

System	Expended for		Total
	Right-of-way	Incidental Items	
Interstate.....	\$10,451,091.69	\$525,220.92	\$10,976,312.61
Primary, Secondary, and Other.....	8,942,582.90	754,581.42	9,697,164.32
Total.....	\$19,393,674.59	\$1,279,802.34	\$20,673,476.93

Table 14 summarizes right-of-way programed for Federal reimbursement by districts for interstate and other Federal-aid primary highways. State purchases of right-of-way are further analyzed in Table 15. In this table the number of parcels, the acreage, and the cost is given by district and system.

TABLE 14.—RIGHT-OF-WAY PURCHASED BY THE DIVISION OF HIGHWAYS DURING 1964 WHICH IS PROGRAMED FOR FEDERAL REIMBURSEMENT.

District	Number of Parcels	Acres	Expenditures	Per Cent Participation	
				Federal	State
FEDERAL-AID INTERSTATE					
1.....	212	264.188	\$ 2,673,270.76	90	10
2.....	64	588.024	757,088.48		
3.....	51	214.642	264,566.66		
4.....	56	494.121	405,446.82		
5.....	55	451.710	1,423,595.49		
6.....	1	.023	10,995.98		
7.....	83	464.665	431,584.00		
8.....	258	246.314	1,787,973.91		
9.....	17	91.738	147,980.35		
10.....	49	61.643	3,064,044.26		
Total.....	846	2,877.068	\$10,966,546.71		
OTHER FEDERAL-AID HIGHWAYS					
1.....	1	6.021	\$93,296.89	50	50
2.....	87	63.480	765,497.44		
3.....					
4.....	5	3.283	72,526.45		
5.....	26	.777	114,936.79		
6.....					
7.....					
8.....	11	2.159	74,208.00		
9.....	2	.019	4,841.45		
10.....	96	82.328	2,570,588.92		
Total.....	228	158.067	\$3,695,895.94		

RIGHT-OF-WAY

TABLE 15.—RIGHT-OF-WAY ACQUIRED BY DIVISION OF HIGHWAYS 1964.

District	Parcels	Acres	Cost
ON INTERSTATE HIGHWAYS			
1.....	212	264.188	\$2, 673, 283.26
2.....	66	591.264	758, 187.23
3.....	51	214.642	265, 609.08
4.....	56	494.121	405, 721.82
5.....	56	454.920	1, 427, 867.02
6.....	1	.023	10, 995.98
7.....	85	478.674	432, 941.25
8.....	262	246.423	1, 788, 157.91
9.....	17	91.738	147, 980.35
10.....	49	61.643	3, 066, 148.71
Total.....	855	2, 897.636	\$10, 976, 892.61
ON OTHER STATE PRIMARY AND SECONDARY HIGHWAYS			
1.....	121	99.806	\$891, 423.42
2.....	178	349.129	1, 381, 608.75
3.....	148	133.647	545, 640.71
4.....	171	305.928	913, 636.66
5.....	91	93.616	604, 668.61
6.....	38	93.615	270, 903.83
7.....	23	53.120	46, 769.86
8.....	147	174.640	515, 663.47
9.....	86	139.397	347, 210.93
10.....	242	98.778	4, 179, 058.08
Total.....	1, 245	1, 541.676	\$9, 696, 584.32
ALL RIGHT-OF-WAY ACQUIRED			
1.....	333	363.994	\$3, 564, 706.68
2.....	244	940.393	2, 139, 795.98
3.....	199	348.289	811, 249.79
4.....	227	800.049	1, 319, 358.48
5.....	147	548.536	2, 032, 535.63
6.....	39	93.638	281, 899.81
7.....	108	531.794	479, 711.11
8.....	409	421.063	2, 303, 821.38
9.....	103	231.135	495, 191.28
10.....	291	160.421	7, 245, 206.79
Total.....	2, 100	4, 439.312	\$20, 673, 476.93

IV. DESIGN

1. GENERAL.—The general administrative control and supervision of all highway activities relating to location, planning, design of State highways, highway structures, and incidentals; the processing of plans; programing of State highway projects financed entirely with State highway funds or State and Federal-aid highway funds; the development and preparation of highway and structure design standards, the preparation of proposals, contracts, and specifications for road and bridge construction; and the awarding of State highway contracts for the Division are performed by the Bureau of Design.

The duties of the Bureau of Design are supervised by the Engineer and the Assistant Engineer of Design and executed by the Special Assignments Unit and four section engineers whose sections are made up of units as follows:

(1) *The Road Plans and Contracts Section* composed of Highway Standards and Specifications Unit, Cost Estimating Unit, and a Processing Unit of Plans, Special Provisions, Proposals, Contracts and Coding; (2) *The Location and Roadway Planning Section*, which contains a Location and Access Control Unit, Electrical Design Unit, Highway Landscaping Unit, Roadside Development Unit, Geometric Design Unit, Federal-aid Unit, and Railroad Structures and Grade Crossings Unit; (3) *The Bridge and Traffic Structure Section*, a composite of Bridge Planning Unit comprised of two Planning Squads, Foreign Bridge Plans Review Unit, Inventory Ratings and Investigations Unit, Shop Plans and Inspection Unit, Estimating and Special Provisions Unit, and a Bridge Design Unit comprised of six squads; and (4) *the Aerial Surveys Section*, a composite of Surveys and Computations Unit, Plotting and Mapping Unit, and Aerial Photography Unit. Through these four Sections and through the counterpart of the Bureau of Design in each of the ten Highway District Offices, the Bureau performs all phases of State highway design and related field work for the Division of Highways. Additional details concerning the operation of the Road Plans and Contracts Section and the Bridge and Traffic Structures Section are given on page 26 of the 1951 Annual Report.

2. DESIGN PROGRAM.—The total of all construction and maintenance contracts, and project agreements, awarded during 1964, exclusive of right-of-way, amounted to \$252,787,056.84, of which \$5,850,271.99 is not accounted for in the tabulations of this report. It includes monies obligated by railroad and utility project agreements, adjustments made on contracts awarded, other agency agreements, preliminary engineering agreements, additions and betterments, incidental work to 1964 construction, and Cook County and the City of Chicago utility and railroad grade crossing improvements, etc. The difference between these obligations and the total obligations, amounted to \$246,936,784.85 which represents the total amount of State highway contracts awarded by the State, by Cook County, and the City of Chicago, during 1964.

The following tabulation is a summary of State highway contracts awarded by system and by governmental unit making the award.

DESIGN

Highway System	Government Awarding State Highway Contract							
	State of Illinois		Cook County		City of Chicago		Total	Per Cent of Total
	Amount	Per Cent	Amount	Per Cent	Amount	Per Cent	Amount	
Interstate.....	\$ 99,379,242.25	54.65	\$40,137,189.85	92.19	\$19,274,539.80	89.48	\$158,790,971.90	64.30
Other primary..	63,567,187.23	34.95	3,399,884.18	7.81	2,265,411.80	10.52	69,232,483.21	28.04
Secondary.....	18,450,304.12	10.15	.....	.....	.....	.....	18,450,304.12	7.47
Other (Part E)..	463,025.62	0.25	.....	.....	.....	.....	463,025.62	0.19
Total.....	\$181,859,759.22	100.00	\$43,537,074.03	100.00	\$21,539,951.60	100.00	\$246,936,784.85	100.00
Per cent of total	73.65		17.63		8.72		100.00	

Of the total State highway contracts awarded during 1964, as shown in Table 21, \$198,008,361.67 was expended for regular construction, itemized in Part A; \$28,667,449.15 was expended for rehabilitation and widening of existing State highways and highway structures, itemized in Part B; \$2,382,885.15 was expended for highway maintenance work, itemized in Part C; \$2,883,206.00 was expended for miscellaneous construction and maintenance work of an extraordinary nature performed by State Day Labor Section of the Bureau of Maintenance, itemized in Parts D and E; and \$401,114.92 was expended for miscellaneous nonhighway improvements (excluding nonhighway work listed in Part D), itemized in Part E. Contracts awarded for improvements on the Federal-aid secondary road system, financed with Federal-aid secondary and matching State or State and County road funds amounted to \$14,593,767.96. These contracts are tabulated in Table 57 of Section XII, Local Roads and Streets of this report.

Nine highway contract lettings were held by the State on 596 individual projects. Of these, 590 were advertised for the first time, and six pending from the previous year were readvertised. The total number of projects advertised during the year, including those re-advertised due to rejections, amounted to 666 and received a total of 2,568 bids. Of the total number of projects advertised 63 were rejected, three were withdrawn, four received no bids, 587 were awarded, and nine remained pending at the end of the year. A total of 2,378 bids were submitted on the 587 projects awarded, averaging four bidders per project. In addition, awards were made on 22 projects advertised in the previous year, 188 were awarded to State Day Labor Section of the Bureau of Maintenance, four were awarded to county day labor sections for Federal-aid secondary road improvements, 16 were awarded by Cook County, 13 by the City of Chicago, and 43 railroad grade crossing protective installations or other crossing improvements were awarded to their respective railroad companies, making a total of 873 projects placed under contracts, by the State, by Cook County, and by the City of Chicago during 1964.

3. INTERSTATE HIGHWAY CONTRACTS. — Contracts awarded by the State, by Cook County, and by the City of Chicago during 1964, for the construction and improvement of interstate highways, implemented the following:

DESIGN

SURFACING:

1.35 miles portland cement concrete pavement, divided 6-lane.....	\$ 4,045,065.31
76.66 miles portland cement concrete pavement, divided 4-lane.....	54,261,934.60
4.07 miles portland cement concrete pavement, 2-lane.....	1,612,338.87
2.24 miles flexible base with bituminous concrete surface.....	722,152.09
4.11 miles flexible base with bituminous surface treatment.....	501,466.66
47.57 miles bituminous surface treatment on existing bituminous surface.....	100,145.98
9,140 sq. yds. concrete pavement patching.....	72,701.00
165 sq. yds. bituminous pavement patching.....	4,006.00
Total surfacing	<u>\$61,319,810.51</u>

GRADING:

11.20 miles highway construction grading.....	\$ 5,489,784.40
0.83 mile shoulder shaping and drainage improvements.....	143,946.19
Channel improvements	26,072.00
Total grading	<u>\$ 5,659,802.59</u>

STRUCTURES:

24 bridges	\$ 5,381,605.75
71 highway grade separation structures.....	22,987,074.44
17 railroad grade separation structures.....	3,934,024.99
5 railroad subway structures.....	4,104,156.70
11 combination railroad-highway grade separation structures.....	8,113,433.27
7 elevated highway structures	29,436,464.71
1 bridge, furnishing and fabricating structural steel.....	7,992,403.00
16 bridges, repaired or rehabilitated	1,579,329.08
1 bridge widened	2,095,854.09
11 highway grade separation structures cleaned and painted.....	102,382.00
7 railroad grade separation structures cleaned and painted.....	11,720.00
7 reinforced concrete culverts.....	279,980.44
Total structures	<u>\$86,018,428.47</u>

MISCELLANEOUS:

15.07 miles highway lighting	\$ 1,988,392.35
Highway lighting rehabilitation	43,650.00
36.65 miles drainage improvements	339,206.25
7.00 miles road guard construction.....	73,474.36
2.18 miles highway fencing	39,061.97
39.25 miles shoulder improvements.....	998,307.49
0.71 mile bituminous concrete median.....	14,993.14
0.45 mile paved approaches	57,935.96
Paved ditches	79,765.13
110.50 miles roadside shrub beds cultivated	84,157.04
49.00 miles roadside landscaping.....	454,069.81
114.90 miles roadside mowing	293,054.79
231.51 miles highway traffic signing and delineators.....	686,111.63
60.50 miles tree spraying	14,567.24
605 buildings removed from right-of-way.....	230,591.74
3 weighing stations, furnishing and installing weighing equipment.....	148,036.00
1 pumping station improvements.....	16,966.45
2 reinforced concrete scale pits.....	50,566.60
Other, miscellaneous improvements	180,022.38
Total miscellaneous	<u>\$ 5,792,930.33</u>
Total all work, interstate system.....	<u><u>\$158,790,971.90</u></u>

The above interstate highway improvements are listed by contracts in Table 21.

Table 16 gives an accumulated yearly summary of the various highway improvements awarded by the State on Federal-aid interstate and other primary highways. In order to maintain the summary as originally tabulated, contracts awarded by Cook County and the City of Chicago have been omitted.

4. PRIMARY HIGHWAY CONTRACTS.—Contracts awarded during 1964 by the State, by Cook County, and the City of Chicago, for construction, maintenance, and rehabilitation of primary highways, excluding interstate, implemented the following improvements:

DESIGN

SURFACING:

2.20 miles portland cement concrete pavement, divided 6-lane.....	\$ 8,721,204.72
15.31 miles portland cement concrete pavement, divided 4-lane.....	6,605,034.78
0.34 mile portland cement concrete pavement, 3-lane.....	207,263.58
35.00 miles portland cement concrete pavement, 2-lane.....	8,636,535.78
21.97 miles full-width rigid-type base course.....	5,994,006.99
2.67 miles full-width gravel or crushed stone base course.....	372,536.60
47.23 miles concrete pavement widening.....	3,547,138.63
11.87 miles bituminous pavement widening.....	448,305.27
285.90 miles bituminous surfacing on existing pavements, continuous.....	8,412,927.77
79.81 miles bituminous surfacing on existing pavements, intermittent	1,200,960.30
0.22 mile flexible base with bituminous surface.....	21,465.71
5.65 miles bituminous surface treatment on existing bituminous surface.....	15,930.06
33,681 sq. yds. concrete pavement patching.....	656,237.23
32,584 sq. yds. bituminous pavement patching.....	601,810.20
Total surfacing improvements listed in primary portion of Day Labor Schedule	308,070.95
Total surfacing	<u>\$45,749,428.57</u>

GRADING:

4.80 miles highway construction grading.....	\$ 2,088,024.28
0.38 mile roadbed construction grading.....	99,901.05
Total grading listed in primary portion of Day Labor Schedule.....	125,006.50
Total grading	<u>\$ 2,312,931.83</u>

STRUCTURES:

34 bridges	\$ 3,903,071.02
11 highway grade separation structures.....	2,053,562.10
6 railroad grade separation structures.....	1,027,972.55
3 railroad subway structures	496,315.82
5 combination railroad-highway grade separation structures.....	1,709,889.37
6 reinforced concrete culverts.....	199,432.21
11 bridges widened	2,788,613.05
31 bridges repaired or rehabilitated	2,729,828.14
4 railroad grade separation structures repaired or rehabilitated.....	393,008.72
76 bridges cleaned and painted	144,838.60
2 railroad grade separation structures cleaned and painted.....	22,098.00
1 bridge removed	29,679.25
Total structures listed in primary portion of Day Labor Schedule.....	915,635.60
Total structures	<u>\$16,413,944.43</u>

MISCELLANEOUS:

28 railroad grade crossings constructed or modified.....	\$ 391,908.24
53 intersections, traffic control signals installed.....	780,286.38
45 intersections, traffic control signals modified.....	367,432.47
64 buildings removed from rights-of-way.....	49,673.00
2.01 miles highway lighting	49,966.49
4,302 miles roadside weed control spraying.....	64,937.67
1,117 miles roadside mowing	174,831.85
3.24 miles roadside seeding	6,168.00
8.97 miles roadside landscaping	57,869.00
1.27 miles intermittent riprapping.....	58,985.90
5.71 miles highway shoulder improvements.....	202,381.01
5.23 miles storm sewers and drainage improvements.....	502,604.23
4.64 miles highway signing and delineators.....	420,817.47
2 units, furnishing and installing pumping equipment.....	27,300.00
Dead and diseased trees removed from rights-of-way.....	12,000.00
Multiple pipe arches	221,760.89
Pavement marking	97,368.40
Utility adjustments	42,890.60
Total miscellaneous improvements listed in primary portion of Day Labor Schedule	1,082,169.10
Other, miscellaneous improvements	144,827.68
Total miscellaneous	<u>\$ 4,756,178.38</u>
Total all work, on primary system	<u><u>\$69,232,483.21</u></u>

The noninterstate primary highway improvements tabulated above are listed by contracts in Table 21.

In order to continue showing the summation of interstate and noninterstate primary highway contracts awarded by the State, as shown in previous years, contracts awarded by Cook County and the City of Chicago have been omitted from Table 16.

DESIGN

5. SECONDARY ROAD CONTRACTS. — Contracts awarded by the State, on secondary roads during 1964, including Federal-aid secondary contracts for new construction, and rehabilitation and maintenance work of an extraordinary nature on existing State secondary roads, implemented the following improvements:

SURFACING:

1.94 miles portland cement concrete pavement, divided 4-lane.....	\$ 998,886.93
2.94 miles portland cement concrete pavement, 2-lane.....	877,370.92
0.55 mile full-width rigid-type base course.....	78,196.80
5.87 miles full-width rigid-type base course with bituminous surface.....	1,681,279.42
61.60 miles bituminous surfacing on existing pavement, continuous.....	1,475,208.11
0.37 mile bituminous surfacing on existing pavement, intermittent.....	26,136.40
5.37 miles bituminous widening of rigid pavement.....	350,612.81
7.97 miles gravel or crushed stone widening of flexible pavement.....	27,000.00
13.39 miles flexible base with bituminous surface.....	824,769.41
102.35 miles flexible base with bituminous surface treatment.....	5,756,559.21
46.61 miles bituminous surface treatment of existing base course.....	278,031.61
52.27 miles bituminous seal coat on existing bituminous surface.....	71,507.37
15.35 miles gravel or crushed stone base course.....	1,014,768.58
64.02 miles gravel or crushed stone surface course.....	1,934,283.68
1,543 sq. yds. concrete pavement patching.....	29,649.38
8,357 sq. yds. bituminous pavement patching.....	149,343.75
Total surfacing improvements listed in secondary portion of Day Labor Schedule	125,495.80
Total surfacing	<u>\$15,699,100.18</u>

GRADING:

8.23 miles earth grading	\$ 174,624.17
6.64 miles roadway and drainage grading.....	143,185.70
Total grading	<u>\$ 317,809.87</u>

STRUCTURES:

23 bridges constructed	\$ 1,194,085.03
1 bridge widened	18,780.40
6 bridges repaired	60,518.25
1 highway grade separation structure	94,011.50
1 highway grade separation structure repaired.....	18,655.50
1 railroad grade separation structure	254,392.68
1 railroad grade separation structure cleaned and painted.....	1,098.00
1 bridge cleaned and painted	3,662.00
1 metal pipe culvert	32,210.44
3 reinforced concrete box culverts	57,141.24
1 concrete culvert rehabilitated	11,139.55
Total structures listed in secondary portion of Day Labor Schedule.....	145,590.25
Total structures	<u>\$ 1,891,284.84</u>

MISCELLANEOUS:

Highway signing	\$ 21,135.69
0.12 mile storm sewers	9,832.75
2 intersections, traffic control signals rehabilitated.....	62,449.00
6 intersections, traffic control signals modified.....	176,598.80
2.80 miles roadside landscaping	29,798.49
3 railroad grade crossings, flashing light signals installed.....	27,900.00
12 railroad grade crossings, flashing light signals, and crossing improvements	208,802.00
Total miscellaneous road improvements listed in secondary portion of Day Labor Schedule	5,592.50
Total miscellaneous	<u>\$ 542,109.23</u>
Total all work, secondary system.....	<u>\$18,450,304.12</u>

The above tabulation of secondary road improvements is a summary of all secondary road contracts listed in Table 21 of this section, and all Federal-aid secondary road contracts listed in Table 57, Section XII, Local Roads and Streets.

TABLE 16.—SUMMARY OF PRIMARY HIGHWAY CONTRACTS (INCLUDING FEDERAL-AID INTERSTATE)
AWARDED BY THE STATE FROM 1918 THRU 1929 AND ANNUALLY FROM 1930 TO 1964 INCLUSIVE.

DESIGN

Year	Rigid-type Pavement ¹		Bituminous Surface on Gravel or Crushed Stone Base ²		Gravel or Crushed Stone		Grading ³		Structures ⁴		Miscellaneous Items ⁵	Total Cost
	Miles	Cost	Miles	Cost	Miles	Cost	Miles	Cost	No.	Cost	Cost	
1918 Thru												
1929.....	6,398.75	\$180,977,894.27					1,768.06	\$19,765,795.01	1,487	\$21,239,693.95		\$221,983,383.23
1930.....	851.18	24,361,360.36					152.05	2,162,973.57	136	2,692,560.27		29,216,894.20
1931.....	851.65	20,674,468.63					169.04	1,932,957.25	138	3,243,492.85		25,850,918.73
1932.....	966.31	21,653,238.74					190.02	1,895,751.32	169	3,525,399.65		27,074,389.71
1933.....	318.35	10,668,618.73					42.47	643,000.10	73	1,979,479.13		13,364,542.78
1934.....	327.29	12,109,016.10					105.63	1,597,610.65	129	4,717,863.41		18,479,690.43
1935.....	188.30	9,422,414.96					117.80	2,342,939.73	86	3,494,429.76		15,407,763.95
1936.....	195.78	10,904,152.33					130.82	2,618,921.15	128	7,113,311.90		21,263,614.05
1937.....	159.82	7,618,065.49					146.13	2,146,642.80	97	3,331,017.45		14,040,873.34
1938.....	194.08	9,879,465.49					74.27	1,316,976.05	70	3,907,178.43		16,327,494.65
1939.....	169.37	9,722,071.99					68.37	1,468,430.66	67	3,185,949.08		15,788,191.75
1940.....	178.14	7,531,631.24					88.02	1,801,582.16	38	2,088,929.55		13,248,281.61
1941.....	112.84	7,287,661.71					12.67	249,932.21	36	3,143,428.81		11,653,191.55
1942.....	278.75	15,546,937.21					12.26	725,263.53	20	713,813.53		17,153,144.78
1943.....	149.05	9,684,627.25					1.15	134,035.24	5	309,888.59		10,534,453.99
1944.....	215.00	9,003,166.62					1.75	320,495.87	14	429,325.66		10,167,371.90
1945.....	207.83	9,494,309.89						527,017.84	22	1,329,042.96		11,952,597.58
1946.....	180.28	8,937,963.46						274,695.67	29	2,788,282.15		13,276,360.68
1947.....	332.65	16,991,253.50						1,448,207.65	42	3,791,027.50		23,447,490.20
1948.....	130.21	10,690,263.73						3,694,321.53	28	4,392,732.87		20,808,088.13
1949.....	269.81	20,484,006.43						409,674.12	33	4,392,104.94		26,672,209.20
1950.....	168.99	10,541,566.55						211,710.37	17	5,720,996.03		13,722,834.53
1951.....	578.53	32,589,431.82						524,194.94	66	9,938,257.23		40,439,677.10
1952.....	1,081.51	61,872,623.68						1,187,178.24	79	13,108,725.63		77,518,939.33
1953.....	446.05	30,654,204.85						1,923,073.23	110	15,689,551.99		88,972,986.92
1954.....	717.64	43,156,714.64						1,151,936.22	138	2,735,265.12		135,726,624.63
1955.....	416.70	43,493,537.82						788,734.45	85	15,865,443.70		148,657,377.41
1956.....	540.39	44,785,993.93						3,067,486.38	108	16,011,210.53		115,722,683.07
1957.....	677.52	36,640,700.15						4,506,176.73	167	36,580,830.49		156,523,205.61
1958.....	1,603.70	80,439,657.12						2,794,857.57	166	40,077,166.08		185,377,921.02
1959.....	433.82	93,604,201.65						2,519,432.54	177	32,553,234.90		162,946,429.48
1960.....	804.62	88,796,450.00						2,732,982.66	240	35,287,332.57		\$2,087,480,359.98
1961.....	533.12	73,972,728.04						352,965.08	132	23,334,504.40		
1962.....	884.38	98,255,280.71						1,198,683.64	260	38,115,180.28		
1963.....	655.74	110,555,657.14						1,273,353.13	218	40,845,652.28		
1964.....	518.75	94,287,564.88						7,772,734.42	189	41,327,890.36		
Total....	22,826.90	\$1,377,288,901.11	865.40	\$24,824,672.91	448.76	\$12,095,530.34	3,479.05	\$101,231,063.72	4,999	\$448,387,613.25	\$123,652,578.65	

Note: Contracts awarded by Cook County and the City of Chicago on interstate and other primary highways are not included in this table.

¹ Mileage includes bituminous surfacing of existing pavements, but not bituminous surface treatment on existing bituminous surfaces, pavement patching, or pavement lane widening, but cost includes all four of these items.

² Cost includes seal coats but seal coat mileage is excluded.

³ Consists only of grading cost separate from surfacing and other work.

⁴ Consists only of structure contracts tabulated separately from surfacing or grading. Includes bridges, grade separation structures, and special structures.

⁵ Includes such items as railroad grade crossing protection, landscaping, traffic control signals, highway lighting, sidewalks, etc.

TABLE 17.—SUMMARY OF SECONDARY ROAD CONTRACTS AWARDED BY THE STATE FROM 1933 THRU 1942 AND ANNUALLY FROM 1943 TO 1964 INCLUSIVE.

Year	Rigid-type Pavement ¹		Bituminous Surface on Gravel or Stone Base ²		Gravel or Crushed Stone ³		Grading ⁴		Structures ⁵		Miscellaneous Items ⁶	Total Cost
	Miles	Cost	Miles	Cost	Miles	Cost	Miles	Cost	No.	Cost	Cost	
1933												
Thru												
1942.....	129.70	\$ 5,805,660.07	437.65	\$ 2,198,482.33	890.22	\$ 8,892,813.96	465.89	\$ 4,179,015.84	261	\$ 6,140,326.41	\$ 371,330.99	\$ 27,587,629.60
1943.....	19.38	747,741.33	16.26	168,227.47	22.22	325,247.73	0.56	20,836.65	5	201,148.68	13,494.80	1,476,696.66
1944.....	22.81	805,464.67	22.94	292,709.39	21.51	291,343.64	0.78	18,937.50		7,603.00	8,550.00	1,424,608.20
1945.....	16.55	578,905.81		170,536.87	14.09	232,012.25		36,618.98			9,432.26	1,027,506.17
1946.....	15.71	495,613.35		221,237.37	17.95	412,884.21	3.71	154,579.46	10	415,441.03	27,730.58	1,727,486.00
1947.....	57.78	2,411,603.43	161.67	2,813,024.80	153.68	3,222,092.24	27.50	435,855.38	17	715,187.68	35,446.00	9,633,209.53
1948.....	8.45	852,921.76	145.05	3,596,940.14	175.44	4,081,884.47	22.84	594,337.16	22	2,105,393.44	59,371.76	11,290,848.73
1949.....	17.93	710,587.67	86.54	1,511,091.90	29.07	710,902.70	12.63	192,778.93	12	537,534.52	122,158.64	3,785,054.36
1950.....	6.30	286,456.04	97.83	1,561,673.09	94.17	1,360,801.02	11.62	176,226.21	11	577,441.31	158,483.10	4,130,080.77
1951.....	19.69	951,849.88	81.35	1,597,737.83	51.06	1,058,978.27	10.62	564,539.68	13	689,815.02	69,642.63	4,932,563.31
1952.....	38.30	1,834,170.46	220.83	4,488,003.27	87.25	1,983,171.76	18.83	285,781.22	20	1,204,636.23	263,382.21	10,059,145.15
1953.....	56.07	2,601,049.28	285.77	7,326,834.26	142.37	3,241,836.72	20.08	360,152.21	31	1,422,198.32	230,426.68	15,182,497.47
1954.....	9.35	497,045.51	215.02	4,342,166.56	91.15	1,731,106.45	11.90	137,890.39	22	979,771.87	315,658.98	8,003,639.76
1955.....	64.59	2,753,059.21	344.70	6,927,467.78	146.23	2,479,224.75	26.96	456,048.21	59	3,149,576.80	461,646.91	16,227,023.66
1956.....	56.75	2,763,053.01	306.54	7,526,801.50	148.85	3,462,362.01	7.34	216,814.92	32	2,013,524.71	430,080.05	16,412,636.20
1957.....	52.30	2,352,939.44	329.84	8,384,424.32	141.34	3,288,658.94	24.08	460,246.55	51	2,794,080.08	627,107.77	17,907,467.10
1958.....	87.42	5,698,177.40	552.06	14,314,033.80	190.50	4,735,658.17	28.68	754,010.91	87	5,460,774.10	219,512.51	31,182,166.89
1959.....	41.90	3,373,734.63	247.92	7,625,752.42	103.58	3,323,693.75			45	3,254,797.91	719,300.46	18,297,279.17
1960.....	64.82	7,388,775.70	234.59	8,930,220.24	127.87	3,670,709.36	11.84	286,251.45	35	2,742,173.76	1,938,910.72	24,957,041.23
1961.....	145.77	8,795,478.15	191.20	7,068,363.37	108.10	2,697,724.29	9.16	267,387.83	51	3,561,705.20	842,104.10	23,232,762.94
1962.....	93.35	7,649,696.99	233.47	9,805,704.13	110.32	3,396,462.45	7.70	1,198,367.19	57	2,343,932.93	2,320,451.98	26,714,615.67
1963.....	92.34	10,865,163.75	136.21	7,835,407.54	117.09	2,936,057.68	6.85	147,208.60	34	2,550,848.06	1,164,246.18	25,498,931.81
1964.....	73.27	6,004,963.03	115.74	6,718,084.89	87.34	2,976,052.26	14.87	317,809.87	29	1,631,840.89	801,553.18	18,450,304.12
Total....	1,190.53	\$76,224,110.57	4,478.05	\$115,424,925.27	3,071.40	\$60,520,679.08	744.44	\$11,261,695.14	904	\$44,499,751.95	\$11,210,022.49	\$319,141,184.50

Note: This table includes all contracts awarded by the State on Federal-aid secondary road system, secondary roads established prior to the Federal-aid secondary system, State-aid roads, roads serving State parks and institutions, scenic roads, roads approved for construction by Senate and House bills, and Federal financed forest highways and defense access roads.

¹ Mileage and cost includes portland cement concrete pavements, full width rigid-type base, and bituminous concrete surfacing of rigid-type pavements, but mileage does not include bituminous surface treatment, seal coats, base repairs, patching, or pavement lane widening, but cost includes all of these items.

² Cost includes seal coats on existing bituminous surfaces and of flexible base repairs, but mileage is excluded.

³ Includes mileage and cost of shale and soil-cement surfaced roads.

⁴ Consists of grading cost separate from surfacing and other work.

⁵ Consists of bridge and highway structure contracts tabulated separately from surfacing or grading.

⁶ Includes such items as railroad grade crossing protection, landscaping, highway lighting, traffic control signals, etc.

6. HIGHWAY MAINTENANCE CONTRACTS. — Highway contracts awarded by the State to private contractors, for maintenance and restoration of State highways and highway structures (excluding State day labor and Federal-aid secondary contracts), necessitated by the weather or other specific causes, for such work as structure repairs, cleaning, painting, roadside weed control, fertilizing, spraying, mowing, cultivating shrub beds, etc., are listed as extraordinary maintenance work in Part C of Table 21, and provided for the following:

ON INTERSTATE SYSTEM	
114.90 miles roadside mowing	\$ 293,054.79
110.50 miles cultivating shrub beds.....	84,157.04
60.50 miles tree spraying	14,567.24
2 bridges cleaned and painted	77,375.00
8 bridges repaired	129,822.80
7 railroad grade separation structures cleaned and painted.....	11,720.00
9 highway grade separation structures cleaned and painted.....	25,007.00
Total, Part C on interstate system.....	\$ 635,703.87
ON PRIMARY SYSTEM (Excluding interstate)	
1,116.98 miles roadside mowing	\$ 174,831.85
4,302.14 miles weed control spraying.....	64,937.67
Dead and diseased trees removed	12,000.00
2 bridge superstructures rehabilitated	431,465.02
2 bridge decks modified	248,106.01
10 bridges repaired	270,941.00
1 railroad subway structure repaired.....	23,056.00
1 highway grade separation structure repaired.....	23,181.20
4 railroad grade separation structures repaired.....	208,203.35
76 bridges cleaned and painted.....	144,838.60
3 railroad grade separation structures cleaned and painted.....	35,684.87
Other, miscellaneous improvements	26,001.96
Total, Part C on primary system (excluding interstate).....	\$ 1,663,247.53
ON SECONDARY SYSTEM	
6 bridges repaired	\$ 60,518.25
1 railroad grade separation structure repaired.....	18,655.50
1 bridge cleaned and painted	3,662.00
1 railroad grade separation structure cleaned and painted.....	1,098.00
Total, Part C on secondary system.....	\$ 83,933.75
Total all systems, Part C	\$ 2,382,885.15

7. STATE DAY LABOR HIGHWAY CONTRACTS. — Contracts awarded by the State to the State Day Labor Section of the Bureau of Maintenance for specific construction or reconstruction and maintenance work of an extraordinary nature are listed in Part D of Table 21.

State day labor contracts awarded during 1964 totaled \$2,883,206.00, of this amount \$1,612,641.00 was financed from the State day labor highway construction fund, of which \$101,923.60 was expended on interstate highways, \$1,344,567.60 on other primary highways, and \$166,149.80 on secondary road improvements; \$1,208,654.30 was financed from the State day labor highway maintenance fund, of which \$11,811.00 was expended on interstate highways, \$1,086,314.55 on other primary highways, and \$110,528.75 on secondary road improvements; and \$61,910.70 was financed from the State highway construction appropriation fund for projects not located on any of the State's highway systems. All of which provided for the following improvements:

DESIGN

ON INTERSTATE SYSTEM

SURFACING:

0.35 mile gravel or crushed stone base course with bituminous surface treatment	\$	22,507.50
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STRUCTURES:

1 bridge repaired	\$	4,557.50
2 highway grade separation structures repaired.....		13,048.50
Total structures	\$	17,606.00

MISCELLANEOUS:

0.87 mile roadside landscaping and erosion arresting.....	\$	14,230.10
Water main service construction		4,482.50
Concrete gutter rehabilitation		54,908.50
Total miscellaneous	\$	73,621.10
Total day labor improvements on interstate system.....	\$	113,734.60

ON PRIMARY SYSTEM (Excluding interstate)

SURFACING:

1.25 miles bituminous concrete surfacing on existing pavement.....	\$	4,590.00
20.98 miles bituminous surface treatment on existing flexible base.....		25,824.45
25.50 miles bituminous seal coat on existing bituminous surface.....		19,134.00
11,039 sq. yds. concrete pavement patching.....		258,522.50
Total surfacing	\$	308,070.95

GRADING:

22.86 miles drainage improvements	\$	98,580.00
11.30 miles earth shoulder rehabilitation		14,125.00
Earth dam and channel change construction.....		12,301.50
Total grading	\$	125,006.50

STRUCTURES:

26 bridges improved or repaired.....	\$	332,784.65
7 railroad grade separation structures repaired.....		90,597.35
5 highway grade separation structures improved or repaired.....		22,489.55
32 bridge decks rehabilitated or repaired.....		296,679.55
23 bridges, handrails modified or repaired		115,091.00
1 bridge removed		15,375.00
1 reinforced concrete culvert extended		25,067.50
Counterbalance weights installed at two bridge abutments.....		17,551.00
Total structures	\$	915,635.60

MISCELLANEOUS:

40.80 miles bituminous undersealing of pavement.....	\$	147,901.60
918.70 miles road guards constructed or rehabilitated.....		298,337.00
1.42 miles embankments stabilized		58,664.00
21.50 miles flexible shoulder construction		58,410.00
Concrete headwalls removed to side-slope grade.....		109,665.00
Drainage corrections		47,907.45
Cutting and filling expansion joints		49,542.00
Median removal		11,630.00
3 roadside rest stop turnouts.....		25,091.40
14 roadside rest stops		137,528.80
11 historical marker turnouts		55,429.10
4 historical marker sites		23,924.75
Other		58,138.00
Total miscellaneous	\$	1,082,169.10
Total day labor improvements on primary system, excluding interstate	\$	2,430,882.15

ON SECONDARY SYSTEM

SURFACING:

53.03 miles bituminous seal coat on existing bituminous surface.....	\$	65,248.90
0.42 mile bituminous surface treatment on existing flexible base.....		2,770.90
2,475 sq. yds. concrete pavement patching		57,476.00
Total surfacing	\$	125,495.80

DESIGN

STRUCTURES:

6 bridges improved or repaired	\$	61,231.25
5 bridges, decks rehabilitated		36,509.00
1 highway grade separation structure repaired.....		18,610.00
2 covered bridges rehabilitated		21,000.00
1 reinforced concrete culvert		8,240.00
Total structures	\$	145,590.25

MISCELLANEOUS:

1 culvert drainage improvement.....	\$	5,592.50
Total day labor improvements on secondary system.....	\$	276,678.55

NONHIGHWAY IMPROVEMENTS

Concrete slab, ramps, and dock, and flexible driveway construction.....	\$	27,009.50
Public driveway and parking area rehabilitation.....		5,000.00
Bridge deck and parking lot resurfacing.....		24,006.20
Furnishing and erecting snow fence		3,395.00
Maintenance and repair of drilling equipment.....		2,500.00
Total nonhighway improvements	\$	61,910.70
Total State day labor contracts awarded.....	\$	2,883,206.00

8. **FEDERAL AND NONFEDERAL PROGRAMS.**—The total obligation of all highway contracts awarded by the State, Cook County, and the City of Chicago during 1964 amounted to \$246,936,784.85. Federal-aid was involved in the amount of \$221,278,138.95 or 89.6 per cent of the total obligation, and contracts having no Federal-aid funds involved, but financed entirely with State or State and county funds, amounted to \$25,658,645.90 or 10.4 per cent of the contract obligation.

The status of recent allotments of Federal-aid to the State of Illinois, is given in Table 11, of Section II, while contracts awarded by each unit of government, for State highway improvements during 1964, are classified by funds in Table 18.

(a) *Interstate Highway Awards.*—The contracts awarded by the State for interstate highway improvements financed with 90 per cent Federal and 10 per cent State funds, amounted to \$95,894,395.10. Contracts awarded on interstate highways involving 50 per cent Federal-aid urban and matching State funds amounted to \$62,753.00, and interstate highway contracts financed entirely with State funds amounted to \$3,422,094.15. In addition, contracts awarded on the interstate highway system by Cook County, financed with Cook County expressway bond issue funds, amounted to \$14,725,686.93, and contracts awarded by Cook County on the interstate highway system financed with 90 per cent Federal and 10 per cent State or County funds, amounted to \$25,411,502.92. Contracts awarded by the City of Chicago on the interstate highway system, financed with 90 per cent Federal and 10 per cent State or City funds, amounted to \$19,149,344.80, and contracts financed with expressway bond issue funds amounted to \$125,195.00. This accounts for all contracts awarded on the interstate highway system listed in Table 21, and totals \$158,790,971.90.

(b) *Other Primary Highway Awards.*—Contracts awarded by the State on non-interstate primary highways involving Federal-aid primary rural, urban, and railroad-highway funds amounted to \$44,573,943.62, most of which were financed with 50 per cent Federal participation; contracts financed entirely with State funds,

TABLE 18.—TABULATION OF 1964 CONTRACT AWARDS ON FEDERAL-AID AND NONFEDERAL-AID PROGRAMS

System and Fund Designation	Interpretation of Fund Designation	Awarded By			Federal-aid Program	Non-Federal-aid Program	Total
		State	Cook County	City of Chicago			
Interstate and Other Primary	Int.....	\$86,571,434.96	\$20,381,702.72	\$17,159,134.00	\$124,112,271.68		\$124,112,271.68
	Int. G.....	5,178,354.96	5,029,800.20	1,990,210.80	12,198,365.96		12,198,365.96
	UI.....	62,753.00			62,753.00		62,753.00
	EACI.....						
	EBI.....		12,190,634.20	125,195.00	12,315,829.20		12,315,829.20
	HPR-I.....		2,535,052.73		2,535,052.73		2,535,052.73
	HPS-I.....	39,752.68			39,752.68		39,752.68
	State I.....	108,651.00			108,651.00		108,651.00
	State of Mo.-I.....	3,308,359.55			\$3,308,359.55		3,308,359.55
	DL-C-I.....	3,996,201.50			3,996,201.50		3,996,201.50
	DL-M-I.....	101,923.60			101,923.60		101,923.60
	F.....	11,811.00			11,811.00		11,811.00
	FG.....	31,203,936.10	3,399,884.18		34,603,820.28		34,603,820.28
	U.....	1,291,316.47			1,291,316.47		1,291,316.47
	UG.....	11,012,114.98		2,265,411.80	13,277,526.78		13,277,526.78
	State P.....	1,066,576.07			1,066,576.07		1,066,576.07
	DL-C-P.....	16,562,361.46			16,562,361.46		16,562,361.46
	DL-M-P.....	1,344,567.60			1,344,567.60		1,344,567.60
		1,086,314.55			1,086,314.55		1,086,314.55
		\$162,946,429.48	\$43,537,074.03	\$21,539,951.60	\$205,608,117.35	\$22,415,337.76	\$228,023,455.11
Secondary System	Total interstate and other primary.....						
	S (FAS).....	\$13,594,881.03			\$13,594,881.03		\$13,594,881.03
	SU (FAS).....	998,886.93			998,886.93		998,886.93
	State S.....	2,503,603.97			\$2,503,603.97		2,503,603.97
	US.....	762,552.78			762,552.78		762,552.78
	USG.....						
	FH-S.....	254,142.68			254,142.68		254,142.68
	DL-C-S.....	59,558.18			59,558.18		59,558.18
	DL-M-S.....	166,149.80			166,149.80		166,149.80
		110,528.75			110,528.75		110,528.75
Nonhighway	Total secondary.....	\$18,450,304.12			\$15,670,021.60	\$2,780,282.52	\$18,450,304.12
	State M.....	\$401,114.92				\$401,114.92	\$401,114.92
	DL-C-M.....	61,910.70				61,910.70	61,910.70
		\$181,859,759.22	\$43,537,074.03	\$21,539,951.60	\$221,278,138.95	\$25,658,645.90	\$246,936,784.85
	Total all contracts.....						

DESIGN

amounted to \$18,993,243.61. In addition, contracts awarded by Cook County on noninterstate primary highways financed with 50 per cent Federal participation amounted to \$3,399,884.18; and contracts awarded by the City of Chicago on noninterstate primary highways, financed with 50 per cent Federal-aid urban funds and matching State funds, amounted to \$2,265,411.80. This accounts for all non-interstate primary highway contracts listed in Table 21, totaling \$69,232,483.21.

(c) *Secondary Road Awards*.—The total contracts awarded by the State on secondary roads amounted to \$18,450,304.12, of which Federal-aid funds were involved in the amount of \$15,670,021.60, most of which was financed with 50 per cent Federal-aid secondary and matching State or State and county funds. Secondary road contracts financed entirely with State funds amounted to \$2,780,-282.52.

(d) *Other Miscellaneous Awards*.—Contracts awarded by the State during 1964 for improvements not located on any of the State's highway systems amounted to \$463,025.62. Of this total, contracts amounting to \$401,114.92 were awarded to private contractors, and contracts amounting to \$61,910.70 were awarded to the State Day Labor Section of the Bureau of Maintenance.

9. PAVEMENT, BRIDGE, AND STRUCTURE REHABILITATION.—Contracts awarded for modernizing and rehabilitating existing highway pavements and structures, such as resurfacing, pavement patching, bridge and pavement widening, and culvert extensions, are classified by system and listed in detail in Part B of Table 21.

The modification and rehabilitation of inadequate existing State highways for present day travel is an essential part of our highway program. Contracts awarded for the modernization and rehabilitation of existing State highways amounted to 3 per cent of the total interstate highway contracts, 37 per cent of the total non-interstate primary highway contracts, and 12 per cent of the total secondary road contracts awarded by the State. The total of such contracts listed in Part B of Table 21, accounts for 16 per cent of all contracts awarded by the State during 1964, and implemented the following improvements:

INTERSTATE HIGHWAYS:

0.63 mile bituminous concrete resurfacing, continuous	\$ 171,523.70
1.28 miles bituminous concrete resurfacing, intermittent.....	36,573.40
9,000 sq. yds. concrete pavement patching.....	69,725.00
140 sq. yds. bituminous pavement patching	2,976.00
3 bridges, rehabilitated	687,935.28
1 bridge, widened	2,095,854.09
Total, interstate system	\$ 3,064,587.47

PRIMARY HIGHWAYS:

284.12 miles bituminous concrete resurfacing, continuous.....	\$ 8,412,927.77
79.81 miles bituminous concrete resurfacing, intermittent.....	1,200,960.30
47.21 miles concrete base course widening	3,547,138.63
11.87 miles bituminous base course widening.....	448,305.27
21.27 miles full-width concrete base course.....	5,788,170.14
2.67 miles full-width gravel or crushed stone base course.....	372,536.60
33,166 sq. yds. concrete pavement patching	645,965.23
35,989 sq. yds. bituminous pavement patching.....	609,882.20
18 bridges, rehabilitated	1,997,434.98
7 bridges, widened	278,187.38
Total, primary system	\$23,301,508.50

DESIGN

SECONDARY ROADS:

28.11 miles bituminous concrete resurfacing, continuous.....	\$ 807,615.96
0.37 mile bituminous concrete resurfacing, intermittent.....	26,136.40
0.34 mile concrete base course widening.....	153,933.95
2.50 miles bituminous base course widening.....	99,298.01
2.37 miles full-width concrete base course.....	666,377.04
4.19 miles full-width gravel or crushed stone base course.....	368,998.69
1,543 sq. yds. concrete pavement patching.....	29,649.38
8,357 sq. yds. bituminous pavement patching.....	149,343.75
Total, secondary system	\$ 2,301,353.18
Total, all systems, Part B.....	\$28,667,449.15

10. MISCELLANEOUS IMPROVEMENTS.—Contracts awarded by the State for constructing and rehabilitating entrance and connecting roads, driveways, storage and parking areas, miscellaneous structures, etc., pertinent to State parks, institutions, State hospitals, scenic and conservation areas, highway office grounds, etc., are listed in detail in Part E (including State day labor Part E contracts) of Table 21. The total contracts awarded during 1964 listed in Part E, amounted to \$463,025.62, and implemented the following improvements:

SURFACING:

1.26 miles flexible base with bituminous surface treatment on conservation area road	\$ 85,780.01
Bituminous resurfacing of parking areas.....	62,618.00
Bituminous resurfacing of maintenance storage yards.....	86,784.52
Base strengthening and bituminous resurfacing of driveways and parking lots	25,656.08
Flexible base construction and bituminous resurfacing of parking areas....	28,245.14
Bituminous driveway resurfacing	5,000.00
Total surfacing	\$ 294,083.75

STRUCTURES:

1 park bridge with bituminous paved approaches.....	\$ 103,985.47
1 bridge deck rehabilitated	16,271.90
Total structures	\$ 120,257.37

MISCELLANEOUS:

Cinder hauling to storage areas	\$ 10,833.00
Concrete slab, ramps, and dock construction.....	27,009.50
Furnishing and erecting snow fence	3,395.00
2 city buildings removed	4,947.00
Drilling equipment repaired	2,500.00
Total miscellaneous	\$ 48,684.50
Total, Part E (including State day labor Part E contracts).....	\$ 463,025.62

11. CHICAGO EXPRESSWAYS.—Highway contracts awarded during 1964 by the State, by Cook County, and by the City of Chicago, for projects on the Chicago Metropolitan Expressway System, totaled \$72,761,257.28, and implemented the following improvements:

CALUMET EXPRESSWAY

28.00 miles shrub beds cultivated	\$ 4,600.00
20.40 miles roadside mowing.....	39,618.50
2 highway grade separation structures repaired.....	21,640.00
Total	\$ 65,858.50

CONGRESS STREET EXPRESSWAY

26.00 miles shrub beds cultivated	\$ 14,670.00
18.00 miles roadside mowing	64,459.10
14.00 miles tree spraying	3,668.50
1 bridge deck repaired	13,459.50
Total	\$ 96,257.10

DAN RYAN EXPRESSWAY

11.00 miles shrub beds cultivated	\$ 22,289.04
14.50 miles roadside mowing	53,700.00
Total	\$ 75,989.04

DESIGN

EDENS EXPRESSWAY

30.00 miles shrub beds cultivated	\$ 8,523.00
15.00 miles roadside mowing	24,247.23
15.00 miles tree spraying	3,407.80
1 highway grade separation structure repaired.....	6,230.00
Total	\$ 42,408.03

EISENHOWER EXPRESSWAY

Induction loop traffic detectors.....	\$ 24,369.13
0.83 mile shoulder repair and drainage corrections.....	143,946.19
9,000 sq. yds. pavement patching.....	69,725.00
Total	\$ 238,040.32

KENNEDY EXPRESSWAY

15.50 miles shrub beds cultivated	\$ 34,075.00
15.00 miles roadside mowing	48,609.75
15.50 miles tree spraying	4,190.94
7 bridges repaired	116,363.30
2 bridges, cleaned and painted	77,375.00
Total	\$ 280,613.99

KINGERY EXPRESSWAY

32.00 miles roadside mowing	\$ 62,420.21
16.00 miles tree spraying	3,300.00
Total	\$ 65,720.21

MOLINE EXPRESSWAY

1 highway grade separation structure	\$ 142,572.65
0.30 mile bituminous paved approaches	156,075.40
Total	\$ 298,648.05

VARIOUS EXPRESSWAYS

(Lump sum improvements including work on two or more expressways)

Traffic signs modified	\$ 74,939.58
0.82 mile expressway fencing	13,926.34
Highway lighting rehabilitated	43,650.00
7 railroad grade separation structures cleaned and painted.....	11,720.00
9 highway grade separation structures cleaned and painted.....	25,007.00
Total	\$ 169,242.92

SOUTHWEST EXPRESSWAY

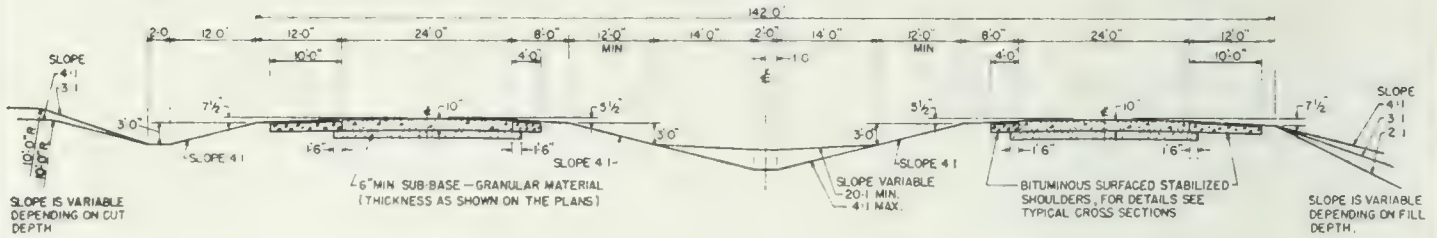
1.35 miles portland cement concrete pavement, divided 6-lane.....	\$ 4,045,065.31
3.79 miles portland cement concrete pavement, divided 4-lane.....	7,745,034.96
13.07 miles highway lighting	1,879,555.93
0.67 mile grading	200,000.00
Frontage roads	156,950.00
Expressway signing	282,417.70
2 bridges	2,317,545.66
16 highway grade separation structures	13,287,506.45
4 railroad grade separation structures.....	1,514,420.78
2 railroad subway structures	4,758,258.30
1 combination railroad-highway grade separation structure.....	5,251,352.90
5 highway elevated structures	27,741,087.04
1 bridge widened	2,095,854.09
Building removed from right-of-way.....	153,430.00
Total	\$71,428,479.12

Total all work, Chicago expressway system.....	\$72,761,257.28
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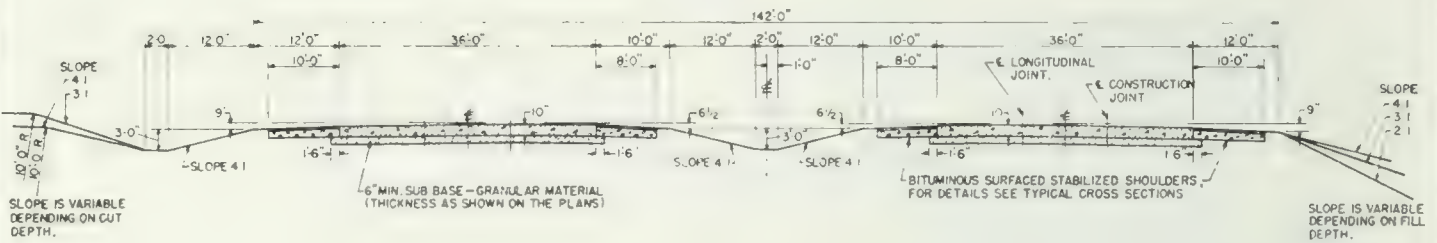
The practice of assigning part of the State's allotment of Federal-aid funds to Cook County and the City of Chicago for expressway projects on the Chicago metropolitan expressway system, was continued. The summation of projects awarded by Cook County and the City of Chicago, during the fifteen years preceding 1964, was \$183,992,943.54 by Cook County and \$122,418,237.95 by the City of Chicago. Contracts awarded during 1964 amounted to \$43,537,074.03 by Cook County and \$21,539,951.60 by the City of Chicago, and are listed by contract in Part A of Table 21. Most of the expressway contracts are on the interstate system; however, contracts financed with expressway bond issue funds or with the aid of State motor fuel tax funds are also listed in Section XII, of Local Roads and Streets Report.

TYPICAL CROSS SECTIONS FOR INTERSTATE HIGHWAYS IN ILLINOIS 1964

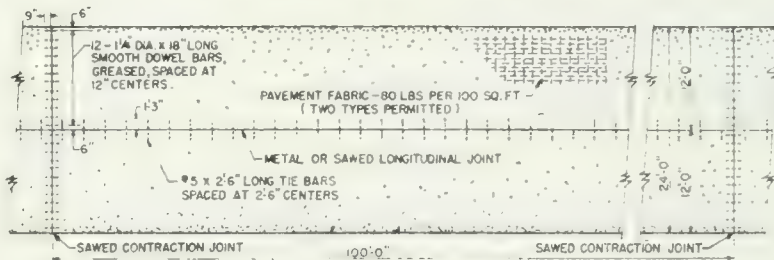
DUAL 24 FT. PORTLAND CEMENT CONCRETE PAVEMENT 70 FT. DEPRESSED MEDIAN



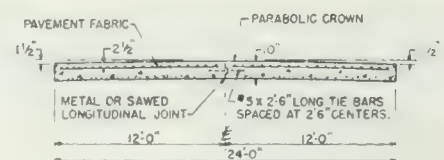
DUAL 36 FT. PORTLAND CEMENT CONCRETE PAVEMENT 46 FT. DEPRESSED MEDIAN



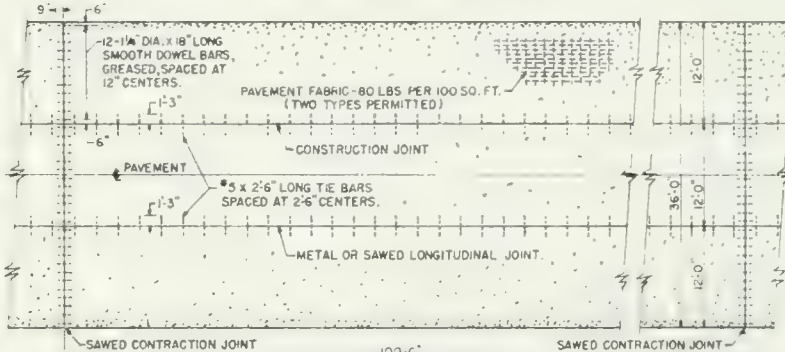
TYPICAL PLAN OF 24 FT. PAVEMENT



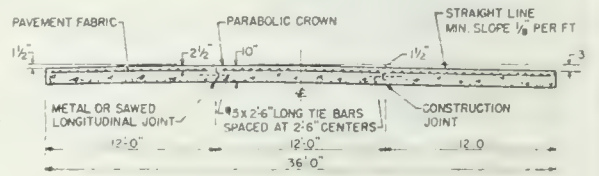
TYPICAL CROSS SECTION OF 24 FT. PAVEMENT



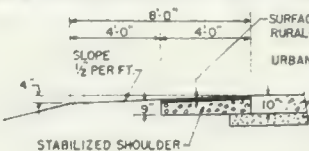
TYPICAL PLAN OF 36 FT. PAVEMENT



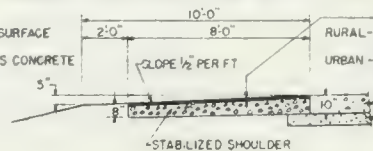
TYPICAL CROSS SECTION OF 36 FT. PAVEMENT



TYPICAL CROSS SECTION OF INSIDE SHOULDERS FOR 24 FT. PAV'T.



TYPICAL CROSS SECTION OF INSIDE SHOULDERS FOR 36 FT. PAV'T.



TYPICAL CROSS SECTION OF OUTSIDE SHOULDERS FOR 24 FT. OR 36 FT. PAV'T.

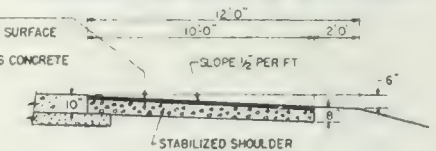


Figure 5.

TYPICAL CROSS SECTIONS FOR INTERSTATE HIGHWAY BRIDGES AND GRADE SEPARATION STRUCTURES

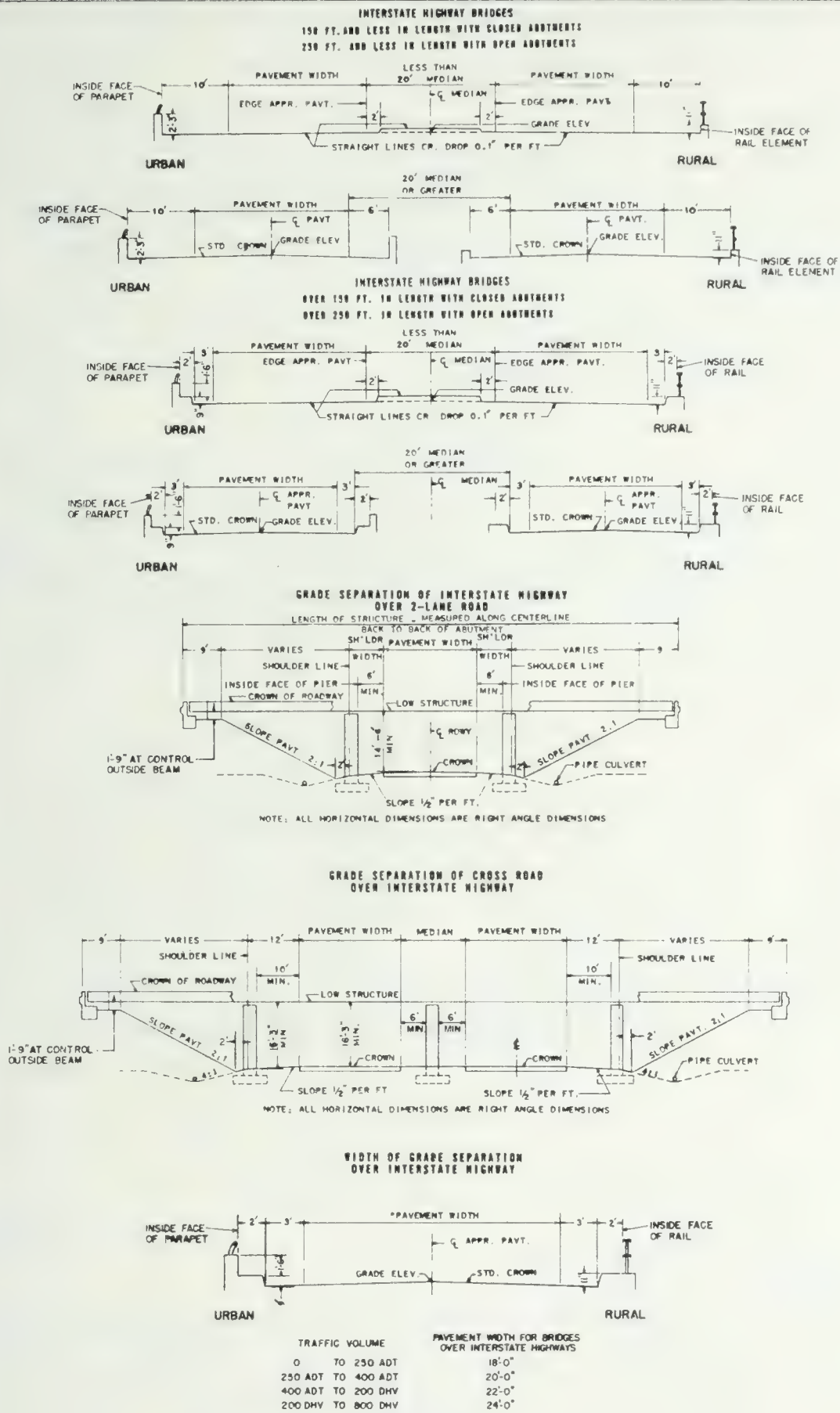
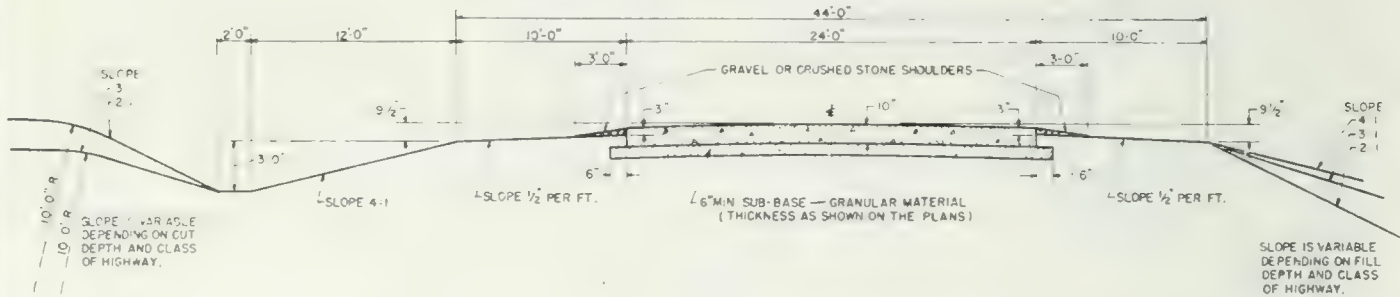


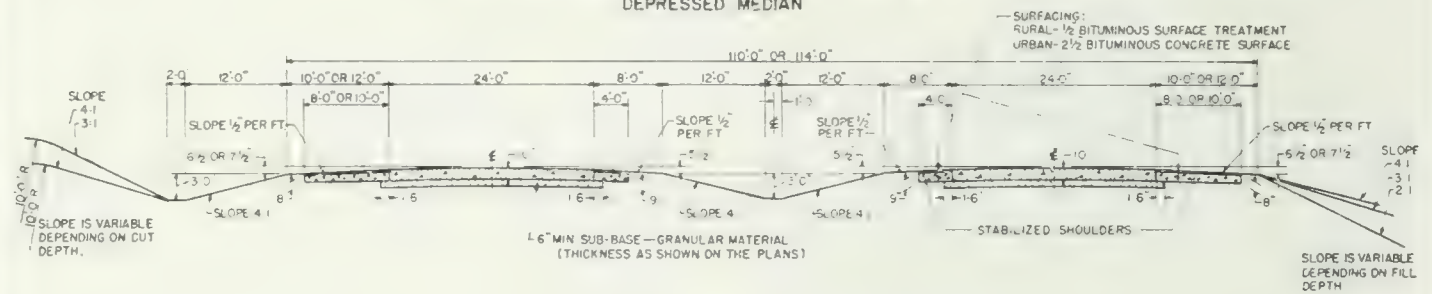
Figure 5.—Concluded.

TYPICAL CROSS SECTIONS FOR STATE HIGHWAYS IN ILLINOIS EXCLUSIVE OF INTERSTATE 1964

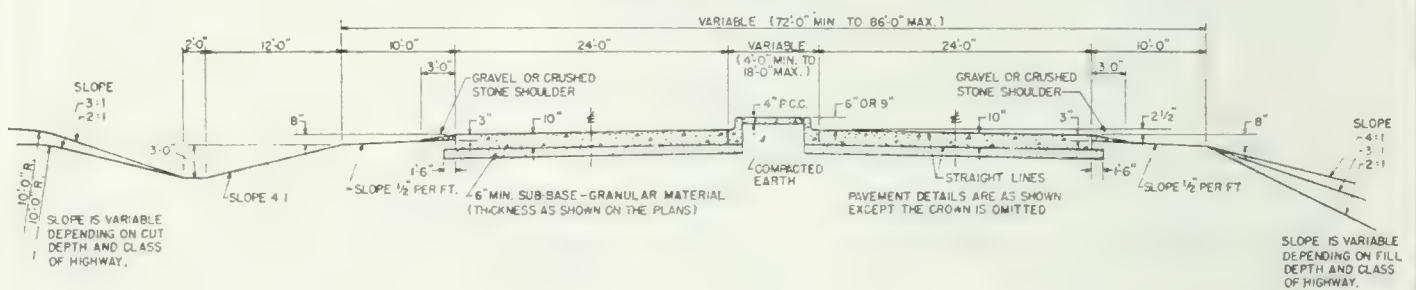
PORTLAND CEMENT CONCRETE PAVEMENT



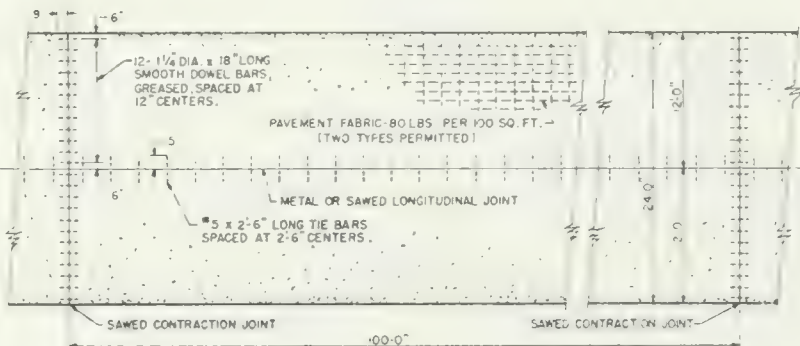
DUAL PORTLAND CEMENT CONCRETE PAVEMENT DEPRESSED MEDIAN



DUAL PORTLAND CEMENT CONCRETE PAVEMENT CONCRETE MEDIAN



TYPICAL PLAN OF PAVEMENT



TYPICAL CROSS SECTION OF PAVEMENT

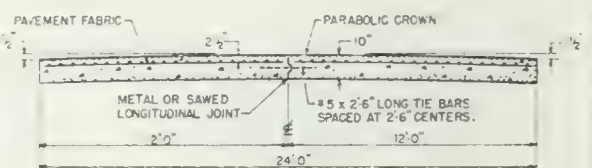
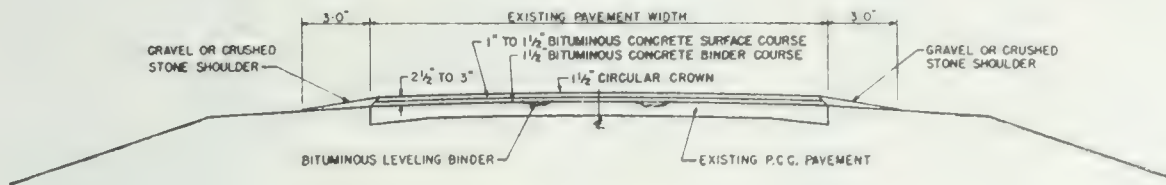


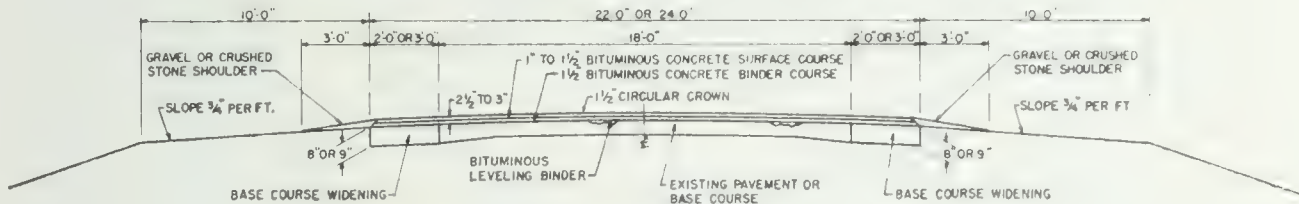
Figure 6.

DESIGN

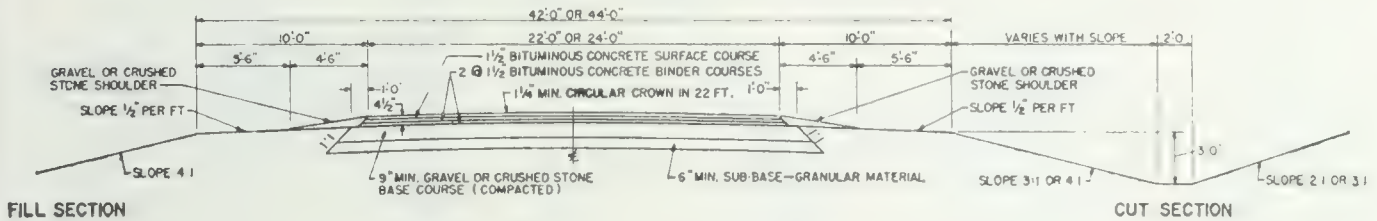
BITUMINOUS CONCRETE RESURFACING OF EXISTING P.C.C. PAVEMENT



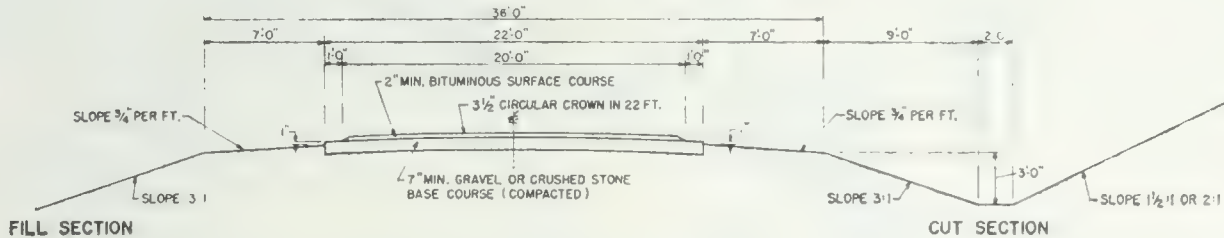
WIDENING AND BITUMINOUS CONCRETE RESURFACING OF EXISTING PAVEMENT OR BASE COURSE



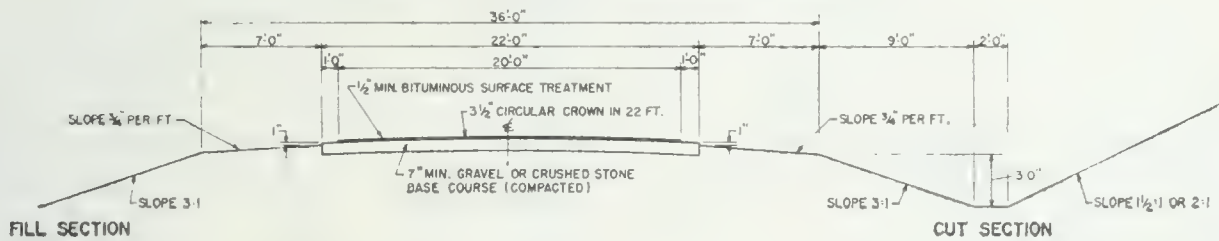
BITUMINOUS CONCRETE SURFACE ON GRAVEL OR CRUSHED STONE BASE COURSES



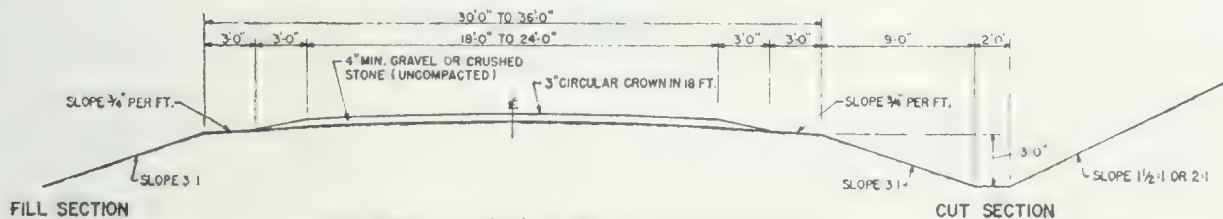
BITUMINOUS SURFACE COURSE ON GRAVEL OR CRUSHED STONE BASE COURSE



BITUMINOUS SURFACE TREATMENT ON GRAVEL OR CRUSHED STONE BASE COURSE



GRAVEL OR CRUSHED STONE SURFACE COURSE - TYPE B



ON ALL CROSS SECTIONS THE SHOULDERS AND SIDE SLOPES ARE ROUNDED 12 INCHES IN EACH DIRECTION FROM THE TANGENT INTERSECTION OF THESE SURFACES.

Figure 6.—Concluded.

DESIGN

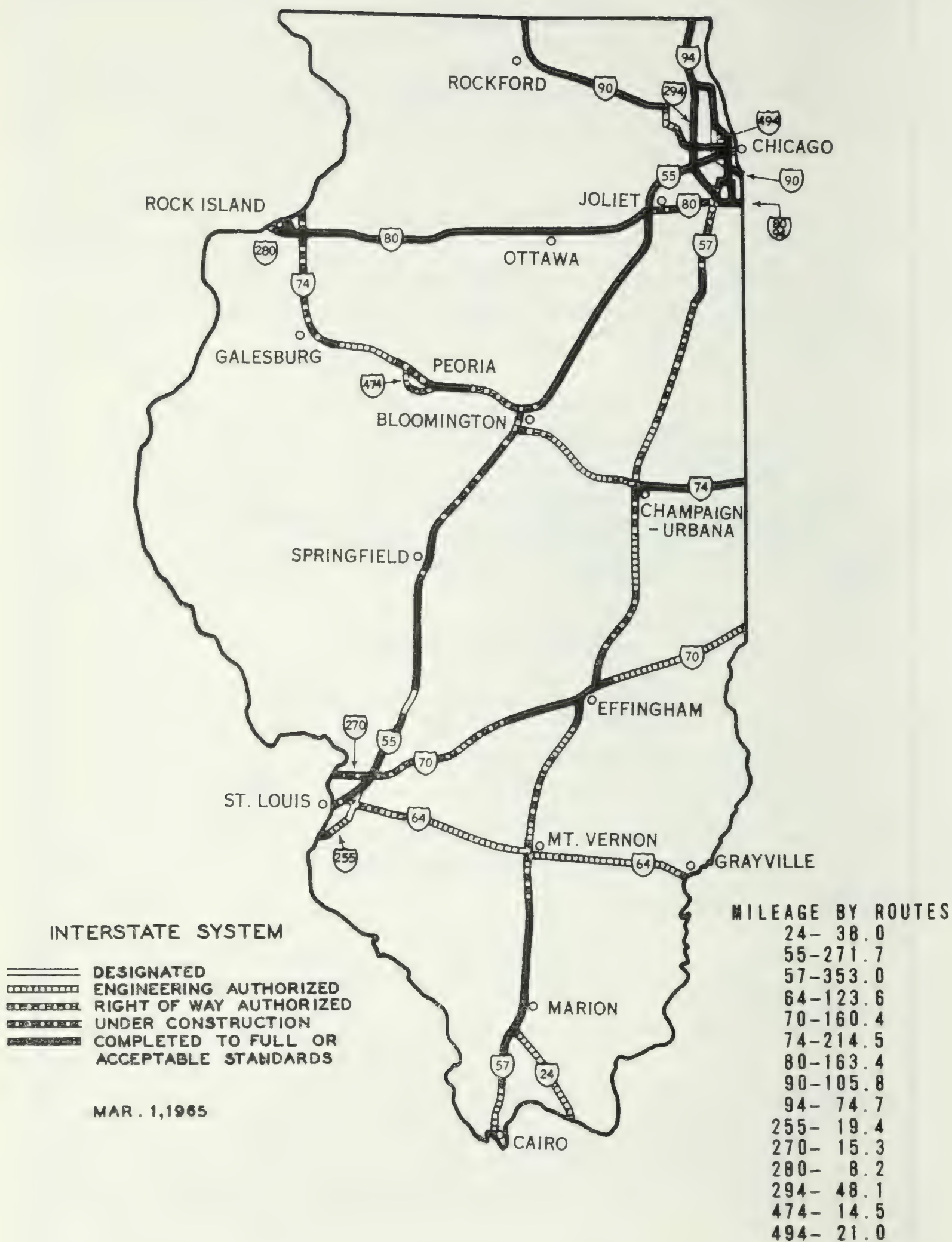


Figure 7.

12. INTERSTATE HIGHWAYS.—The designation of the National System of Interstate Highways of not more than 40,000 miles to connect the principal cities and industrial centers of the Nation was authorized by the Federal-aid Highway Act of 1944. Approval for 37,681 miles on the Nationwide system was given by the Federal Government in 1947, of which 1,500 miles was allocated to the State of Illinois. Additional mileage to bypass urban areas was designated in 1955 which increased the State's interstate highway system to about 1,600 miles.

The Federal-aid Highway Act of 1956 authorized an additional 1,000 miles to the Nation's system and changed the name to the "National System of Interstate and Defense Highways." By the end of 1964 changes in the system resulted in an interstate mileage of 1,631.6 for Illinois. The general locations of Illinois interstate highways are shown in Figure 7.

A summary of the principal improvements awarded by contract on the State's interstate highway system, by the State, by Cook County, and by the City of Chicago, exclusive of construction by toll road authorities, is given in the following tabulation:

Type of Improvement	Prior to 1964	During 1964
8-lane rigid pavement.....	13.48 mi.	—
6-lane rigid pavement	32.75 mi.	1.35 mi.
4-lane rigid pavement	349.22 mi.	76.66 mi.
2-lane rigid pavement	146.75 mi.	4.07 mi.
Converting 2-lane to a divided 4-lane rigid pavement.....	162.57 mi.	6.80 mi.
Bituminous pavement surfacing	146.36 mi.	6.35 mi.
Grading	75.45 mi.	12.03 mi.
Bridges	259	24
Highway grade separation structures.....	617	78
Railroad grade separation structures.....	156	33
Flexible-type pavements	¹ 27.05 mi.	6.35 mi.
Shoulder construction or rehabilitation	² 217.64 mi.	39.25 mi.
Highway lighting installations	² 55.98 mi.	15.07 mi.
Total cost of interstate improvements (includes additional items not listed above).....	\$779,614,607.07	\$158,790,971.90

¹ Not reported prior to 1957.
² Not reported prior to 1961.

13. FREEWAYS.—Figure 8 shows the portions of Illinois highways which have been designated freeways with full or partial control of access. A total of 2,301.55 miles had been designated freeways by December 31, 1963, and an additional 152.60 miles were added and 8.06 miles were rescinded during 1964, bringing the total freeway mileage in Illinois as of December 31, 1964, to 2,446.09 miles. The following routes were designated freeways during 1964:

- FAI Route 57 from east of Ullin to northeast of Villa Ridge (5.43 mi.)
- FAI Route 57 from northwest of Mt. Vernon to west of Kinmundy (30.21 mi.)
- FAI Route 57 from southeast of Clifton to southwest of Paxton (36.70 mi.)
- FAI Route 64 from southwest of Grayville to Illinois-Indiana State line (1.55 mi.)
- FAI Route 70 from Montrose to Indiana State line (49.40 mi.)
- FAI Route 70 from southeast of Mulberry Grove to northwest of Vandalia (8.27 mi.)
- FA Route 1 southwest of Grayville (0.83 mi.)
- FA Route 2 in Decatur (0.41 mi.)

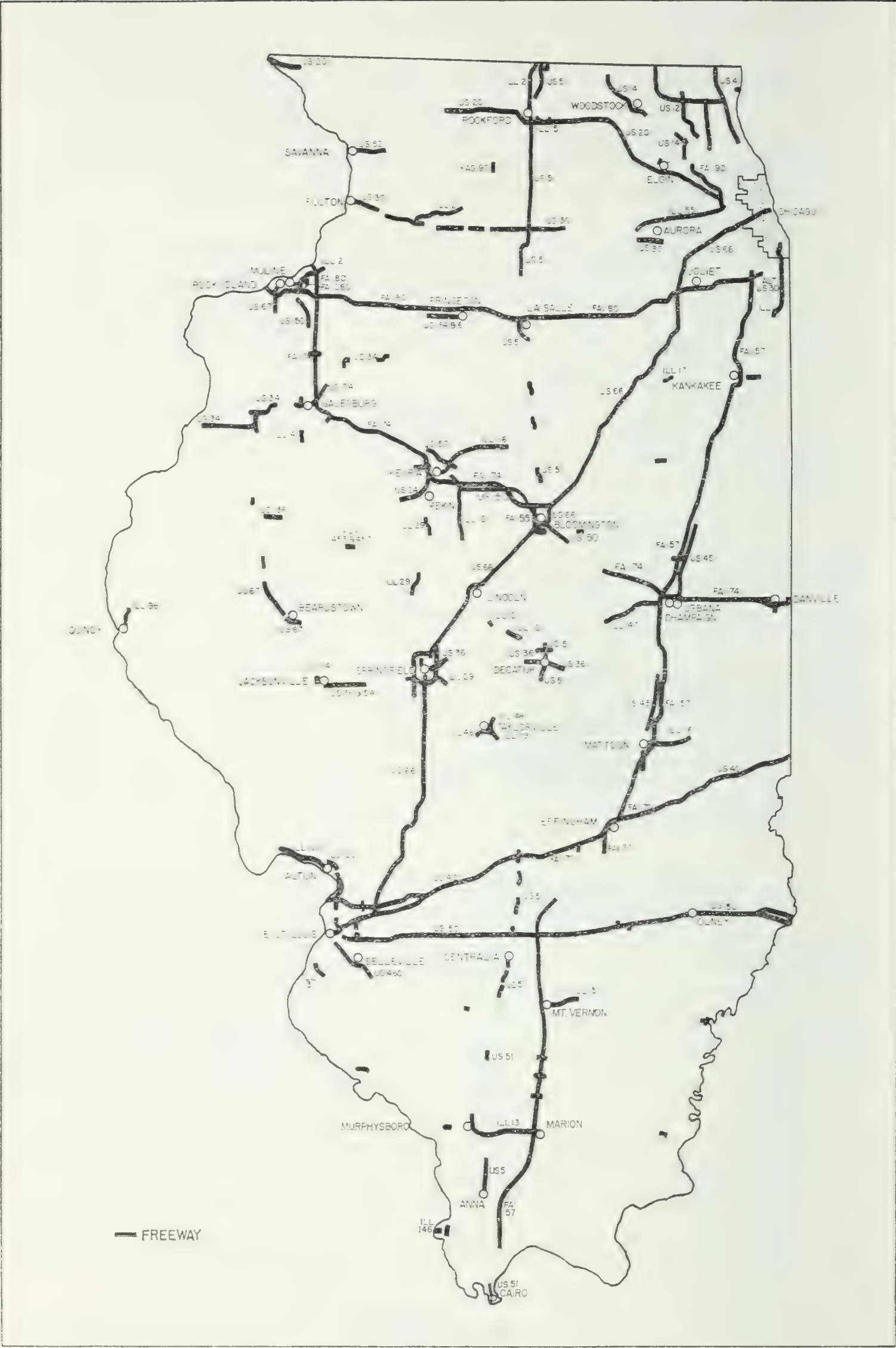


Figure 8.—Highways in Illinois Designated as Freeways.

DESIGN

FA Route 4 (US 67) from McDonough-Schuyler County line to southeast of Littleton (3.69 mi.)
FA Route 9, SBI Route 8 from southeast of Gladstone to south of Kirkwood (8.90 mi.)
FA Route 13 Spur near Flora (0.50 mi.)
FA Route 36 in Quincy (2.98 mi.)
FA Route 69 east of Glen Carbon (0.55 mi.)
SBI Route 13 near Junction (1.43 mi.)
SBI Route 25, US Route 50 northwest of Flora (0.75 mi.)
Senate Bill 275 access road to McLean County Conservation Area (1.00 mi.)

FREEWAYS RESCINDED DURING 1964

On 6.45 miles of FAI Route 70 from west of Vandalia to southwest of Brownstown—rescinded 6.26 miles.
On 6.85 miles of FA Route 26 from north of Chebanse to south of Clifton—rescinded 0.75 mile.
On 6.86 miles of FA Route 196 (South Bypass) east of Curran to south of Springfield—rescinded 1.05 miles.

14. BRIDGES.—Bridge plans prepared, bridges placed under contract, and other bridge work accomplished during 1964 are summarized in the following tabulation:

Bridge Plans Prepared		Number
County and township.....		4
County 15d and motor fuel tax.....		1
State bond issue.....		22
Federal-aid.....		143
Subtotal.....		170
CULVERT PLANS CHECKED		
State and Federal-aid contracts.....		437
Total.....		607
BRIDGES PLACED UNDER CONTRACT		
System	Number	Contract Price
County and township.....	2	\$ 44,054.35
County 15d and motor fuel tax.....	1	103,278.20
State bond issue.....	27	1,982,526.78
Federal-aid.....	229	44,927,509.74
Total.....	259	\$47,057,369.07
OTHER WORK		
Shop drawings for steel bridges approved.....		405
Steel bridges for which shop inspection of steel was made.....		341
Tons of structural steel inspected.....		57,859
Foreign plans approved.....		207
Stress analysis made of old bridges.....		144
Rating analysis made of construction equipment.....		67
Bridges rated for truck permits.....		314

DESIGN

Table 19 gives a summary of the number of bridge plans and specifications prepared by the State, the number of foreign plans approved, and the number and cost of State bridge contracts awarded from 1906 to 1930, inclusive, and reported annually from 1931 to 1964, inclusive. It includes all bridges on State and county highways, whether awarded as independent contracts or included in the general road contracts.

TABLE 19.—RECORD OF BRIDGE WORK, 1960-1964.

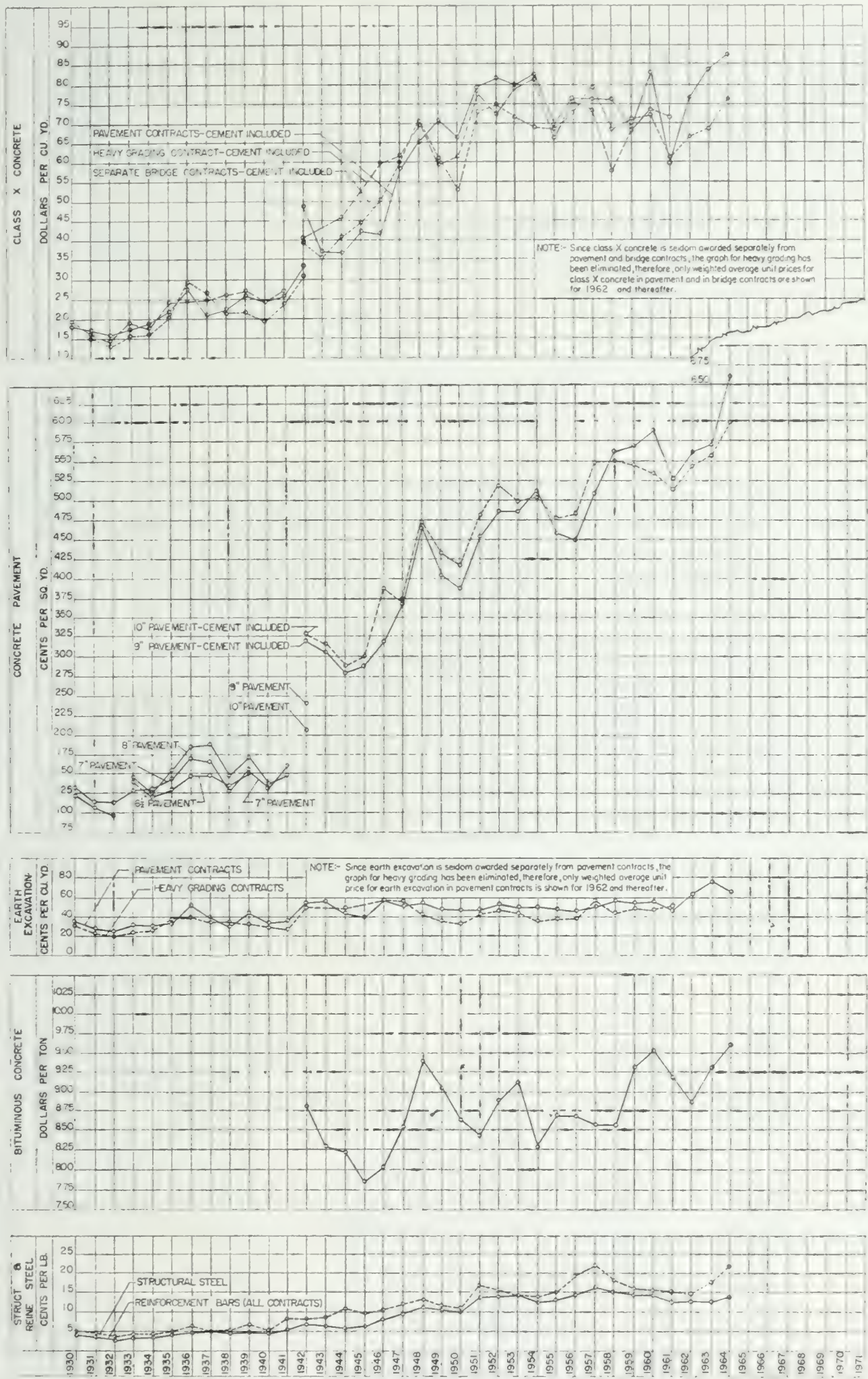
Year	Plans and Specifications Prepared	Contracts Let on State Plans	Contract Price	Foreign Plans Approved ¹
1906 thru 1930.....	8,319	6,137	\$ 34,692,985.27	16,987
1931.....	673	437	3,997,361.24	6,221
1932.....	683	603	3,988,988.46	7,546
1933.....	482	390	2,815,976.05	4,410
1934.....	419	299	4,547,005.88	5,020
1935.....	342	300	4,394,287.12	2,441
1936.....	319	258	7,742,110.07	3,060
1937.....	288	254	4,506,279.14	1,952
1938.....	304	236	3,921,100.75	1,050
1939.....	272	217	2,817,481.72	1,044
1940.....	266	194	2,838,897.03	832
1941.....	138	130	3,067,158.02	666
1942.....	220	106	1,104,427.66	279
1943.....	122	62	418,753.64	198
1944.....	149	74	817,973.77	223
1945.....	110	90	1,682,640.00	226
1946.....	128	141	3,545,550.62	450
1947.....	137	135	4,767,188.35	189
1948.....	122	93	6,779,175.89	196
1949.....	90	86	4,952,839.41	132
1950.....	164	99	2,750,017.08	122
1951.....	108	130	6,566,189.53	98
1952.....	133	120	10,785,576.92	185
1953.....	109	132	9,287,045.05	218
1954.....	171	155	13,354,854.18	324
1955.....	146	146	13,850,013.76	349
1956.....	137	166	15,167,468.10	429
1957.....	139	216	38,769,316.32	350
1958.....	171	229	36,037,644.77	427
1959.....	185	197	38,445,040.49	543
1960.....	170	258	39,001,753.11	351
1961.....	172	188	34,813,839.70	372
1962.....	158	325	48,528,443.12	274
1963.....	140	232	43,727,449.23	283
1964.....	166	259	47,057,369.07	207
Total.....	15,852	13,094	\$501,540,200.52	57,654

¹ Plans prepared by county superintendents of highways and others outside of the Division of Highways.

15. RAILROAD GRADE CROSSINGS.—Contract agreements for the construction and rehabilitation of railroad grade crossings, and installation and modification of automatic safety protection at 35 railroad grade crossings (excluding Federal-aid secondary railroad grade crossing improvements reported in Section XII) were approved during 1964. The improvements include the installation of automatic flashing light signals at 3 primary highway railroad grade crossings and one secondary highway railroad grade crossing; automatic flashing light signals and railroad grade crossing improvements at 3 primary highway and 2 secondary road crossings; relocation of flashing light signals and railroad grade crossing rehabilitation at 7 primary highway crossings; relocation of flashing light signals at one primary highway railroad grade crossing; installation of automatic flashing light gates at 2 primary highway and 2 secondary road railroad grade crossings; relocation of flashing light gates and railroad

DESIGN

GRAPHS SHOWING UNIT PRICE RANGE ON PRINCIPAL ITEMS
IN HIGHWAY CONSTRUCTION 1930-1964



NOTE: UNIT PRICES ARE BASED ON AWARDED COSTS. WEIGHTED AVERAGES ARE USED FOR ALL ITEMS.
UNIT PRICES FOR CLASS X CONCRETE AND CONCRETE PAVEMENT ARE EXCLUSIVE OF CEMENT, EXCEPT
AS NOTED. CEMENT INCLUDED IN THESE ITEMS ON AUGUST 21, 1942 LETTING AND LATER LETTINGS.
UNIT PRICE OF STRUCTURAL STEEL DOES NOT INCLUDE "A-242 STEEL."

Figure 9.

DESIGN

grade crossing improvements at 7 primary highway and one secondary road crossings; and widening or rehabilitation work at 5 primary highway and one secondary highway railroad grade crossings.

The total estimated cost of the above railroad grade crossing improvements, at 28 primary highway and 7 secondary road crossings, amounted to \$509,406.24, of this amount \$391,908.24 was expended for improvements on the primary highways system, and \$117,498.00 was expended for improvements on the secondary road system.

The participants in financing the railroad grade crossing protection installations and crossing improvements, are as follows:

State	\$385,426.14
Federal Government	56,034.30
Railroads	67,945.80

Total \$509,406.24

TABLE 20.—RAILROAD GRADE SEPARATION STRUCTURE CONTACTS
AWARDED DURING 1964.

Location				Highway Over or Under	Railroad	Total Estimated Cost to State and Railroad
Route	Section	County	Near			
FAI 55.....	0404-606V...	Cook.....	Hodgkins— Main Line....	Over.....	AT&SF.....	\$585, 080
FAI 55.....	0404-673V...	Cook.....	Hodgkins— Yard Lead...	Over.....	AT&SF.....	941, 440
FAI 57.....	10-33HV....	Champaign...	Staley.....	Over.....	IC & IT (SBI 10)...	³ 191, 220
FAI 57.....	10-33S.....	Champaign...	Champaign....	Under.....	P&E.....	502, 590
FAI 70.....	26-2V.....	Fayette.....	Vandalia.....	Over.....	IC.....	⁴ 266, 700
FAI 70.....	26-3V-1(2)...	Fayette.....	Vandalia.....	Over.....	Pennsylvania.....	394, 420
FAI 74.....	57-18V.....	McLean.....	Carlock.....	Over.....	NYC&StL.....	350, 650
FAI 80.....	81-1V.....	Rock Island..	Barstow.....	Over.....	CB&Q.....	360, 060
FAI 80.....	99-2V.....	Will.....	Rockdale.....	Over.....	EJ&E.....	229, 830
FAI 80.....	99-4V.....	Will.....	Gardner St.— Joliet.....	Over.....	AT&SF & GM&O...	243, 080
FAI 80.....	99-4-1S.....	Will.....	New Lenox....	Under.....	NYC.....	311, 440
FAI 80.....	99-4-1V-1...	Will.....	New Lenox....	Over.....	CRI&P (US 30 & Hickory Creek)...	³ 4151, 560
FAI 80.....	99-4-1V.....	Will.....	Joliet.....	Over.....	EJ&E-CMStP&P (Lake & Rowell Avenue).....	³ 296, 120
FAI 270.....	60-5V.....	Madison.....	Glen Carbon— Judy's Branch	Over.....	IC.....	313, 710
FAI 270.....	60-5VH.....	Madison.....	Troy Junction..	Over.....	IT (S.A. Rte. 10)...	³ 4148, 330
FA 2.....	50Z-V.....	Macon.....	Decatur.....	Over.....	Wabash (Wabash St.—Cerro Gordo St.).....	³ 179, 650
FA 10.....	13V.....	Tazewell.....	Peoria.....	Over.....	P&PU-NYC&StL...	⁵ 215, 510
FA 61.....	531-2VH....	Cook.....	Palatine.....	Over.....	C&NW (Salt Creek & FA Rte. 20)...	³ 160, 730
FA 133.....	0606-627V...	Cook.....	Lawndale Ave..	Over.....	AT&SF, B&OCT, C&IW.....	844, 120
FA 133.....	0606-628V...	Cook.....	Lawndale Ave.—Chicago	Over.....	AT&SF (US Rte. 66).....	¹ 3244, 360
FA 194.....	1-HV-3.....	Winnebago...	Rockford.....	Over.....	C&NW (SA Rte. 49).....	³ 499, 970
FA 194.....	1V.....	Winnebago...	Rockford.....	Over.....	IC.....	114, 250
FAS 106....	51-V.....	Kane.....	Geneva.....	Over.....	C&NW.....	254, 140
SBI 2.....	67R-S.....	LaSalle- Marshall...	Wenona.....	Under.....	AT&SF.....	111, 530
SBI 2.....	482-S.....	Macon.....	Franklin St.— Decatur.....	Under.....	IC.....	475, 860
SBI 59.....	110-V-R....	Cook.....	Bartlett.....	Over.....	CMStP&P.....	² 99, 230
Total.....						\$8, 085, 580

¹ Costs shown includes railroad relocation.

² Costs shown includes reconstruction of highway approaches.

³ Combination railroad and highway grade separation—costs shown are for railroad portion only.

⁴ Costs shown includes installation of flashing light signals at adjacent grade crossing.

⁵ Costs shown are for construction of reinforced concrete deck and for cleaning and painting of structure.

TABLE 21.—DETAILED TABULATION OF STATE HIGHWAY CONTRACTS AWARDED DURING 1964,
EXCLUSIVE OF FEDERAL-AID SECONDARY CONTRACTS.
PART A.—REGULAR CONSTRUCTION.

FEDERAL-AID INTERSTATE HIGHWAY CONTRACTS AWARDED BY THE STATE							DESIGN	
Route ¹	Section	Class ²	County	Location	Length in Miles	Type of Work ³	Width in Feet	Contract Price
FAI 80	06-5LS	Int.	Bureau	Along FAI 80 from about 1 mi. north of Princeton easterly	4.55	Roadside landscaping		\$ 28, 105.00
FAI 80	06-6LS	Int.	Bureau	Along FAI 80 from northwest of Princeton to southwest of Ladd	4.83	Roadside landscaping		22, 131.60
FAI 80	06-7LS	Int.	Bureau	Along FAI 80 from about 1 mi. southwest of Ladd northwesterly	4.55	Roadside landscaping		23, 703.50
FAI 55	0101-655L	Int.	Cook-DuPage	On Southwest Expressway (FAI 55) at interchange with County Line Road about 2 mi. west of Argonne National Laboratory	0.15	Highway lighting		198, 239.00
FAI 55	0101-680K	State I.	Cook	Five (5) ramps at interchange of FAI 55, Tri-State Tollway and US 66 about 1 mi. northeast of Burr Ridge	0.68 0.68	PCC pavement Highway lighting	18	516, 879.18 62, 474.00
FAI 55	0101-681-HB	State I.	Cook	On Ramp AB of Tri-State Tollway over Southwest Expressway about 1.5 mi. north of Willow Springs		Hwy. gr. sep. struct.		134, 380.10
FAI 55	0101-682HB	State I.	Cook	On Ramp AB of Tri-State Tollway over Joliet Road (FAI 55) about 1.5 mi. north of Willow Springs		Hwy. gr. sep. struct.		115, 793.45
FAI 55	0105-651L	Int.	Cook	Along Southwest Expressway (FAI 55) from about 0.5 mi. east of DuPage-Cook County line north-easterly	3.10	Highway lighting		316, 944.50
FAI 55	0404-606VB	Int. G.	Cook	On Southwest Expressway over AT&SF RR in Hodgkins		Dual RR gr. sep. structs.		574, 384.90
FAI 55	0404-673VB	Int. G.	Cook	On Southwest Expressway (FAI 55) over AT&SF Ry. Yard Tract in Hodgkins		Dual RR gr. sep. structs.		940, 035.88
FAI 55	0404-676B	Int.	Cook	On Southwest Expressway (FAI 55) over DesPlaines River and future access road for AT&SF RR		Dual bridges		2, 317, 545.66
FAI 55	0507-635 Part I	Int.	Cook	Southwest Expressway (FAI 55) and at Lawndale Ave. Interchange in Summit	1.35	Dual PCC pavement	2@36	4, 045, 065.31
FAI 55	0507-635K Part II	Int.	Cook	(For balance of contract see Part A—Primary—FA 133—Section 0606-670 Part I) Eastbound Lawndale Ave. from east to west of intersection with relocated Archer Ave. in Summit	0.85	PCC pavement	36 & Var.	147, 683.79
FAI 55	0507-635-TS	State I.	Cook	(For balance of contract see Part A—Primary—FA 133—Section 0507-635K) At three (3) intersections: Joliet Road with First Ave. Ramps K and J, 55th Street with Archer Ave., and at 55th Street with Center Ave. in Summit		Modification of traffic control signals		81, 250.50
FAI 55	0507-652L	Int.	Cook	Along Southwest Expressway (FAI 55) from east of Hodgkins northeasterly to Harlem Ave. in Summit	3.35	Highway lighting		421, 078.55 15, 167.40
		State I.		Non-Federal-aid portion of contract				

TABLE 21.—Continued.
PART A.—Continued.

Route ¹	Section	Class ²	County	Location	Length in Miles	Type of Work ³	Width in Feet	Contract Price
FAI 55.....	0707-675HB.....	Int.....	Cook.....	On relocated Lawndale Ave. between DesPlaines River and Santa Fe RR in Summit.....		Dual elevated hwy. struets.....		1, 695, 377.67
FAI 55.....	1112-671SB.....	Int.....	Cook.....	On GM&O RR over Cicero Ave. in Chicago.....		RR subway struct.....		619, 923.90
FAI 55.....	1112-672SB.....	Int.....	Cook.....	On AT&SF RR over Cicero Ave. (FAI 55) in Chicago.....		RR subway struct.....		809, 836.31
FAI 55.....	1114-653L.....	Int.....	Cook.....	Along Southwest Expressway between Leclaire and California Avenues in Chicago.....	3.19	Highway lighting.....		332, 325.50
FAI 55.....	Dist. 1 Bituminous Surface Treat- ment '64-2.....	State I.....	Cook-DuPage-Will.....	On US 66 (FAI 55) frontage roads.....	43.00	Bit. surf. treat. A-3.....	Var. 2165	93, 828.73 4, 006.00
FAI 55, 90, 94.....	Dist. 1 Road Guard '64-3.....	State I.....	Cook-DuPage-Will.....	At various side road intersections with FAI 55.....	7.00	Road guard constr.....		73, 474.36
FAI 57.....	Dist. 10 Expressway Sign Moderniza- tion '64-1.....	State I.....	Cook.....	At various locations along various expressways in and near Chicago.....		Modification of traffic signs...		74, 939.58
FAI 57.....	10-30, 10-30 (B,B-1,B-2).....	Int.....	Champaign.....	FAI 57 from about 0.25 mi. southeast of relocated US 45 northwesterly to near Sadorus Road.....	4.63	Dual PCC pavement.....	2@24	2, 792, 186.22 2, 154.00
FAI 57.....	10-30HB-1.....	Int.....	Champaign.....	Non-Federal-aid portion of dual pavement.....				
FAI 57.....	10-30HB-2.....	State I.....	Champaign.....	(For balance of contract see Part A—Primary—Re- loc. SBI 25—Section 23R—Champaign County)				
FAI 57.....	10-30HB-1.....	Int.....	Champaign.....	On County Highway 16 over FAI 57 about 0.5 mi. west of Pesotum.....		Hwy. gr. sep. struct.....		127, 725.40 125.00
FAI 57.....	10-30HB-2.....	State I.....	Champaign.....	Non-Federal-aid portion of contract.....				
FAI 57.....	10-33SB.....	State I.....	Champaign.....	On Township Road 283 over FAI 57 about 1.5 mi. northwest of Pesotum.....		Hwy. gr. sep. struct.....		89, 900.16 100.00
FAI 57.....	10-33SB.....	Int. G....	Champaign.....	Non-Federal-aid portion of contract.....				
FAI 57.....	10-33, 33B-2.....	State I.....	Champaign.....	On NYC RR over FAI 57 about 1 mi. northwest of Champaign.....		RR subway struct.....		432, 593.90 150.00
FAI 57.....	10-33, 33B-2.....	State I.....	Champaign.....	Non-Federal-aid portion of contract.....	3.16	Dual PCC pavement.....	2@24	2, 465, 916.30 1, 602.00
FAI 57.....	10-33HB-1, 10-33B-1.....	Int.....	Champaign.....	At Copper Slough.....		RC triple box culvert.....		47, 651.16
FAI 57.....	10-33HB-1, 10-33B-1.....	Int.....	Champaign.....	All about 1 mi. northwest of Champaign On Township Road 175 (Bradley Ave.) over FAI 57 about 2.5 mi. northwest of Champaign.....	0.37	Hwy. gr. sep. struct.....		101, 190.35 102, 882.69
FAI 57.....	10-33HB-2.....	State I.....	Champaign.....	Adjacent to structure.....		Flex. base with bit. surf. treat.		404.00
FAI 57.....	10-33HB-2.....	Int.....	Champaign.....	Non-Federal-aid portion of approaches.....		RC triple box culv.....		20, 445.96
FAI 57.....	10-33HB-2.....	Int.....	Champaign.....	On Champaign-Decatur Freeway over FAI 57 about 1.5 mi. west of Champaign.....		Dual hwy. gr. sep. struets.....		363, 639.57 94.00
FAI 57.....	10-33HVB.....	State I.....	Champaign.....	Non-Federal-aid portion of contract.....				
FAI 57.....	10-33HVB.....	Int.....	Champaign.....	On FAI over IC RR, IT RR and Ill. 10 about 1.50 mi. west of Champaign.....		Dual comb. RR-hwy. gr. sep. struets.....		102, 549.80 190, 434.73
FAI 57.....	10-33HVB.....	Int. G....	Champaign.....					

FAI 57, 74	10-34-1	Int.	Champaign	FAI 74 east and west of FAI 57	0.91	Dual PCC pavement.	2@24	999,545.55
	10-5-1	State I.		Non-Federal-aid portion of Section 10-34-1	1.37	Dual PCC pavement.	2@24	2,982.00
	10-5-1B, 10-5-1B-1	State I.		Relocated US 150				1,273,117.52
	10-34-B	Int.		Non-Federal-aid portion of Section 10-5-1				2,008.00
						Bridge.		45,189.95
						RC box culv.		29,915.37
FAI 57	10-34-HB-1	Int.	Champaign	All northwest of Champaign				
				On FAI 74 over FAI 57 about 0.5 mi. northwest of Champaign		Dual hwy. gr. sep. struct.		304,513.23
FAI 57	10-34HB-3	Int.	Champaign	On Fisher Road over FAI 57 about 1 mi. north of Champaign				
						Hwy. gr. sep. struct.		179,624.06
FAI 57	15, 18-20	State I.	Coles-Cumberland	Non-Federal-aid portion of contract				300.00
FAI 57	15-21	Int.	Coles	FAI 57 between Neoga and Mattoon	4.16	Dual PCC pavement	2@24	1,445,090.62
				FAI 57 from about 6 mi. southwest of Mattoon north-early				
FAI 57	15-21HB	Int.	Coles	On County Highway 11 over FAI 57 about 5.5 mi. northeast of Neoga	2.69	Dual RC pavement	2@24	1,239,464.52
				On Township Road 245 over FAI 57 about 4 mi. southwest of Mattoon				
FAI 57	15-21HB-1	Int.	Coles	FAI 57 and at interchanges with US 45 and Ill. 16 all from about 3 mi. south to about 2 mi. east of Mattoon		Hwy. gr. sep. struct.		107,390.46
						Hwy. gr. sep. struct.		104,106.53
	15-22	Int.	Coles					
FAI 57	15-22HB	State I.		Non-Federal-aid portion of contract				
FAI 57	15-22HB-2	Int.	Coles	On FAI 57 over US 45 about 3 mi. south of Mattoon				
				On Township Road 70 over FAI 57 about 1.5 mi. southeast of Mattoon	6.63	Cont. reinf. conc. pavt.	2@24	3,999,955.60
						Dual hwy. gr. sep. struct.		40.00
								309,115.02
FAI 57	0707-(1010HB, 1011HB, 1012HB, 1013HB)	Int.	Cook	At the following 4 locations: On northbound South Expressway (FAI 57) west leg over eastbound Moline Expressway (FAI 80), and over westbound Moline Expressway; On southbound South Expressway west leg over eastbound Moline Expressway; and on southbound South Expressway over westbound Moline Expressway, all about 1.5 mi. east of Tinley Park		Four (4) hwy. gr. sep. struct.		610,233.56
				Non-Federal-aid portion of contract				2,095.02
FAI 57	18-20HB-1	State I.	Cumberland	On Township Road 39 over FAI 57 about 2 mi. north-east of Neoga		Hwy. gr. sep. struct.		93,991.95
FAI 57	18-20HB-2	Int.	Cumberland	On Township Road 27 over FAI 57 about 9 mi. south of Mattoon		Hwy. gr. sep. struct.		89,317.66
FAI 74	10-5-1HB	Int.	Champaign	On Mattis Ave. over FAI 74 about 0.25 mi. northwest of Champaign		Hwy. gr. sep. struct.		180,417.49
				Non-Federal-aid portion of contract				200.00
FAI 74	Dist. 5 Bituminous Seal Coat '64-2	State I.						
			Champaign	Frontage roads along FAI 74 between Prospect Ave. and US 45 north of Champaign and Urbana	4.57	Bituminous seal coating	20	6,317.25
FAI 80	1314-801HB	Int.	Cook	On Ridgeland Ave. over Moline Expressway (FAI 80) about 0.75 mi. south of Tinley Park				
					0.30	Hwy. gr. sep. struct.	24	142,572.65
						Bit. paved approaches		156,075.40
FAI 90	3334-250SG	HPR-I	Cook	At intersections of Harlem Ave. with Washington Blvd. and Madison Street with Maple Ave. in Oak Park and at intersections of DesPlaines Ave. with Madison Street and Madison Street with Beloit Ave. in Forest Park		4 surveillance traffic actuated information signs		15,383.55

PART A.—Continued.
TABLE 21.—Continued.

Route ¹	Section	Class ²	County	Location	Length in Miles	Type of Work ³	Width in Feet	Contract Price
FAI 90.....	3334-250TS.....	HPR-I...	Cook.....	At westbound entrance ramps to Eisenhower Expressway (FAI 90) at Harlem Ave. in Oak Park, at DesPlaines Ave. in Forest Park and at 17th Ave. and 1st Ave. in Maywood.....	.....	Surveillance projects of ramp metering traffic control system.....	.....	.....
Various.....	10X-FR-1964-2.....	State I...	Cook.....	At DesPlaines River Bridge in Forest Park, at 5th Ave. and 17th Ave. in Maywood and at 25th Ave. in Bellwood.....	.....	Induction loop traffic detectors.....	.....	24, 369.13
Various.....	1963-1LPR.....	State I...	Cook.....	At various locations along Edens, Kennedy, Eisenhower, and Dan Ryan Expressways.....	0.82	Highway fencing.....	.....	13, 926.34
FAI 55.....	(22-1,22-2)T.....	State I.	DuPage.....	At 46 locations on various Expressways.....	.....	Rehabilitation of hwy. lighting units.....	.....	43, 650.00
FAI 55.....	(22-1HB-4)I.....	State I...	DuPage.....	FAI 55 at interchanges with Cass Ave., Ill. 83, and County Line Road north and east of Argonne National Laboratory.....	.....	Paved ditches.....	.....	79, 765.13
FAI 90.....	100T-3.....	State I...	DuPage-Cook.....	Cass Ave. (County Highway 15) about 0.36 mi. north to about 0.35 mi. south of FAI 55 north of Argonne National Laboratory.....	0.71	Grading and bit. conc. surf. of median.....	16	14, 993.14
FAI 70.....	Dist. 7 Interstate Shoulders Repair '64-1.....	State I...	DuPage-Cook.....	Along Eisenhower Expressway (FAI 90) in Elmhurst.....	0.83	Shoulder repair and drainage corrections.....	.....	143, 946.19
FAI 70.....	26-2, 26-3-1.....	State I...	Effingham Fayette.....	Along FAI 70 between Altamont and Montrose.....	23.90	Bit. conc. resurf. of shldr.....	.....	291, 090.63
FAI 70.....	26-2HB-4.....	Int.....	.....	FAI 70 from about 1.3 mi. west of Vandalia easterly to about 4 mi. east of Vandalia.....	5.85	Dual RC pavement.....	2@24	5, 819, 353.60
FAI 70.....	26-3ACB.....	.....	.....	On US 51 over FAI 70 near north limit of Vandalia.....	.....	Bridge.....	.....	319, 263.55
FAI 70.....	26-3HB-1.....	.....	.....	On Frontage Road "K" along FAI 70 over Camp Creek east of Vandalia.....	.....	Bridge.....	.....	20, 896.85
FAI 70.....	26-2HB-2.....	Int.....	Fayette.....	Carrying Township Road 236 under FAI 70 east of Vandalia.....	.....	RC tunnel type culvert.....	.....	65, 173.80
FAI 70.....	26-2VB.....	Int. G....	Fayette.....	On FAI 70 over Ill. 85 northwest of Vandalia.....	.....	Dual hwy. gr. sep. structs.....	.....	158, 477.89
FAI 70.....	(26-3)SG, (26-4,5, 5-1,25-1-1)SG, (25-1,3,4)SG-2.....	Int.....	Fayette-Effingham.....	On FAI 70 over IC RR about 0.25 mi. north of Vandalia.....	.....	Dual RR gr. sep. structs.....	.....	255, 045.50
FAI 70.....	26-3HB-2.....	State I...	Fayette.....	Along FAI 70 from 4.5 mi. east of Vandalia to about 2 mi. northeast of Effingham.....	27.81	Hwy. signing and delineators.....	.....	37, 133.32
FAI 70.....	.....	Int.....	Fayette.....	Non-Federal-aid portion of contract.....	.....	.....	.....	17, 922.63
FAI 70.....	.....	Int.....	Fayette.....	On Township Road 264 over FAI 70 about 2.5 mi. east of Vandalia.....	.....	Hwy. gr. sep. struct.....	.....	78, 069.30
FAI 70.....	.....	Int.....	Fayette.....	Township Road 264 at above structure.....	0.59	Flex. base with bit. surf. treat. A-3.....	22, 20	88, 453.45

DESIGN

FAI 70.....	26-3VB-1(2).....	Int. G.....	Fayette.....	On FAI 70 over Penn. RR about 3.5 mi. east of Vandalia.....	RR gr. struct.....	377, 743.71
FAI 70.....	(26-5,25-1-1)LS.....	State I.....	Fayette-Effingham.....	Non-Federal-aid portion of contract.....	.....	250.00
FAI 57.....	28-(1,2,3,4,5)SG; XI-(4,4-1)SG-1; XI-(6-2)SG-2.....	State I.....	.....	Along FAI 70 from 3 mi. east of Brownstown easterly to south of Altamont.....	7.92	57, 932.73
FAI 57.....	28-3HB-4.....	Int.....	Franklin-Williamson.....	Non-Federal-aid portion of contract.....	.....	6, 180.00
FAI 57.....	28-3HB-4.....	State I.....	Franklin.....	Along FAI 57 between Jefferson-Franklin County line and Johnston City.....	22.78	53, 316.98
FAI 74.....	Dist. 4 Building Demolition '64-1.....	State I.....	Henry.....	Non-Federal-aid portion of contract.....	.....	2, 216.02
FAI 80.....	37-1A.....	Int.....	Henry.....	On Webster Street over FAI 57 in West City.....	0.17	109, 085.70
FAI 80.....	37-1HB.....	State I.....	Henry.....	Non-Federal-aid portion of contract.....	24	57, 437.65
FAI 57.....	41-1, 41-1HB-1.....	Int.....	Jefferson.....	Non-Federal-aid portion of pavement.....	.....	780.30
FAI 57.....	41-1A.....	State I.....	Jefferson.....	Right-of-way FAI 74 on north side of Township Road 89 about 0.5 mi. north and 1 mi. east of Henderson.....	Removal of 2 buildings.....	705.00
FAI 57.....	(44-1,44-1-1)LS.....	Int.....	Johnson.....	(For balance of contract see Part A—Primary—SBI 8, 80; FA 29—Knox County)	.....	.....
FAI 57.....	46-1.....	State I.....	Kankakee.....	FAI 80 from Rock River southerly to interchange with FAI 74.....	4.32	1, 632, 265.31
FAI 57.....	46-1HBK.....	Int.....	Kankakee.....	Non-Federal-aid portion of contract.....	60, 136	12, 938.98
FAI 57.....	46-1HB.....	State I.....	Kankakee.....	On FAI 80 over County Highway 2 about 0.25 mi. northeast of Colona.....	.....	.....
FAI 57.....	46-2(1)K, 46-2(2).....	Int.....	Kankakee.....	FAI 57 from Jefferson-Franklin County line north-erly.....	.....	173, 965.44
FAI 74.....	48-26.....	State I.....	Knox.....	Non-Federal-aid portion of pavement.....	6.83	3, 298, 429.42
FAI 74.....	48-27LS.....	Int.....	Knox.....	On County Highway 13 over FAI 57.....	.....	.....
FAI 94.....	(49-1)I-1.....	State I.....	LaSalle.....	FAI 57 about 0.5 mi. north of Ina.....	0.16	99, 426.10
FAI 80.....	50-2(I).....	Int.....	LaSalle.....	Along FAI 57 from Williamson-Johnson County line southwesterly to Johnson-Union County line northwest of Goreville.....	.....	48, 319.01
FAI 80.....	50-2(I).....	State I.....	LaSalle.....	Non-Federal-aid portion of contract.....	.....	32, 524.15
FAI 80.....	50-2(I).....	State I.....	LaSalle.....	FAI 57 from about 4 mi. southwest to about 3 mi. north of Manteno.....	.....	.....
FAI 80.....	50-2(I).....	State I.....	LaSalle.....	FAI 57 from north to south of CHS 9 west of Manteno On CHS 9 over FAI 57 west of Manteno.....	6.61	2, 078, 958.95
FAI 80.....	50-2(I).....	State I.....	LaSalle.....	On Township Road 37 over FAI 57 about 3.5 mi. southwest of Manteno.....	0.85	680, 974.85
FAI 80.....	50-2(I).....	State I.....	LaSalle.....	FAI 57 from north of County Highway 8 north of Kankakee to interchange with US 54 north of Bradley.....	.....	98, 066.20
FAI 80.....	50-2(I).....	State I.....	LaSalle.....	Non-Federal-aid portion of contract.....	.....	.....
FAI 80.....	50-2(I).....	State I.....	LaSalle.....	FAI 74 from 1.5 mi. north of Galesburg southerly.....	.....	.....
FAI 80.....	50-2(I).....	State I.....	LaSalle.....	(For balance of contract see Part A—Primary—FA 29—Section 21K)	2.16	1, 039, 828.95
FAI 80.....	50-2(I).....	State I.....	LaSalle.....	Along FAI 74 in and southeast of Galesburg.....	.....	.....
FAI 80.....	50-2(I).....	State I.....	LaSalle.....	Along FAI 94 between Wisconsin-Illinois State line and Rosecrans.....	2.69	1, 630.00
FAI 80.....	50-2(I).....	State I.....	LaSalle.....	Along FAI 80 between City US 51 and Ill. 178 north of Peru.....	.....	1, 771, 892.42
FAI 80.....	50-2(I).....	State I.....	LaSalle.....	Non-Federal-aid portion of contract.....	.....	.....
FAI 80.....	50-2(I).....	State I.....	LaSalle.....	Non-Federal-aid portion of contract.....	5.82	51, 777.35
FAI 80.....	50-2(I).....	State I.....	LaSalle.....	Non-Federal-aid portion of contract.....	1.68	41, 573.29
FAI 80.....	50-2(I).....	State I.....	LaSalle.....	Non-Federal-aid portion of contract.....	5.93	169, 582.75
FAI 80.....	50-2(I).....	State I.....	LaSalle.....	Non-Federal-aid portion of contract.....	4, 8, 10	14, 048.00

DESIGN

FAI 270.....	(60-2,3)SG.....	Int.....	Madison.....	Along FAI 270 between Alt. US 67 and Ill. 111.....	3.20	Traffic signs and delineators.....	157, 635.61
FAI 270.....	(60-3)I.....	Int.....	Madison.....	FAI 270 south of Mitchell.....	2.20	Stabilized shoulders.....	214, 987.55
		State I.....		Non-Federal-aid portion of contract.....			18, 700.60
				(For balance of contract see Part A—Primary—FAI 132—Sections (5-10,6-3)I)			
FAI 270.....	60-4.....	Int.....	Madison.....	FAI 270 from about 2 mi. east of Mitchell easterly to C&NW RR.....	4.22	Dual PCC pavement.....	1, 675, 903.73
FAI 270.....	60-5.....	Int.....	Madison.....	FAI 270 in and east of Glen Carbon.....	3.33	Dual PCC pavement.....	2, 310, 248.96
FAI 270.....	60-5HVB-2.....	Int.....	Madison.....	On Township Road 275 over FAI 270 about 1 mi. east of Glen Carbon.....		Hwy. gr. sep. struct.....	145, 949.39
FAI 270.....	60-5VB.....	Int.....	Madison.....	On FAI 270 over IC RR and Judy's Branch in Glen Carbon.....		Dual RR gr. sep. structs.....	317, 347.22
FAI 270.....	60-5VHB.....	Int. G.....	Madison.....	On FAI 270 over Illinois Terminal RR and relocated County Highway 10 about 2.5 mi. northwest of Troy.....			309, 775.69
		Int. G.....		At above structures.....		Dual comb. RR-hwy. gr. sep. structs.....	143, 339.40
		Int.....			0.38	PCC pavement.....	147, 649.60
		Int.....			0.37	Flex. base with bit. surf. treat. A-2.....	42, 242.60
FAI 55.....	57-6.....	Int.....	McLean.....	FAI 55 and at interchange of FAI 55 with Ill. 9 west of Bloomington.....	0.40	Roadway grading.....	20, 529.20
		State I.....		Non-Federal-aid portion of contract.....	3.59	Dual PCC pavement.....	123, 140.20
FAI 55, 74.....	57-7HVB-1,57-7-(1); 57-20-(1).....	Int.....	McLean.....	FAI 55 and 74 at southwest edge of Bloomington.....	4.56	Dual PCC pavement.....	2, 834, 418.76
		State I.....		Non-Federal-aid portion of dual pavement.....			5, 338.10
		Int.....		On FAI 55 Roadway "H" over FAI 74 Roadway "A" southwest of Bloomington.....		Hwy. gr. sep. struct.....	2, 730, 455.01
				(For balance of contract see Part A—Primary—FA 2 —Section 56-R)			1, 114.70
FAI 74.....	57-17B.....	Int.....	McLean.....	On FAI 74 over Rock Creek about 0.5 mi. northwest of Carlock.....		Dual bridges.....	156, 120.64
FAI 74.....	57-17HVB-2.....	Int.....	McLean.....	On Township Road 76 over FAI 74 about 1.8 mi. northwest of Carlock.....			124, 025.14
					0.17	Hwy. gr. sep. struct.....	104, 524.32
						Flex. base with bit. surf. treat. A-3.....	18, 722.49
FAI 74.....	57-17HVB-3.....	State I.....	McLean.....	Non-Federal-aid portion of surfacing.....			163.20
		Int.....		On County Highway 19 over FAI 74 about 11 mi. northwest of Bloomington.....	0.19	Hwy. gr. sep. struct.....	131, 724.20
					0.18	PCC pavement.....	87, 331.12
						Bit. paved approaches.....	20, 596.28
FAI 74.....	57-18HVB.....	Int.....	McLean.....	On County Highway 18C over FAI 74 about 0.5 mi. south of Carlock.....	0.25	Hwy. gr. sep. struct.....	133, 738.45
						Flex. base with bit. surf. treat. A-3.....	44, 124.96
FAI 74.....	57-18HVB-1.....	State I.....	McLean.....	Non-Federal-aid portion of flex. road.....			769.00
		Int.....		On Township Road 104 over FAI 74 about 1 mi. southeast of Carlock.....	0.35	Hwy. gr. sep. struct.....	115, 226.20
						Flex. base with bit. surf. treat. A-3.....	42, 799.26
FAI 74.....	57-18HVB-2.....	Int.....	McLean.....	On Township Road 201 over FAI 74 about 1.5 mi. northwest of Yuton.....		Hwy. gr. sep. struct.....	120, 213.23

TABLE 21.—Continued.
PART A.—Continued.

Route ¹	Section	Class ²	County	Location	Length in Miles	Type of Work ³	Width in Feet	Contract Price
FAI 74.....	57-18HB-3.....	Int.....	McLean.....	On US 150 over FAI 74 about 4 mi. northwest of Normal.....	0.32	Hwy. gr. sep. struct..... Flex. base with bit. conc. surf. I-11.....	24, 22	124,560.55
FAI 74.....	57-18VB.....	Int. G.....	McLean.....	On FAI 74 over NYC & St. L RRR about 5 mi. east of Danvers.....		Dual RR gr. sep. structs.....		76,453.41
FAI 74.....	72(5,6,7,8)SG.....	State I..... Int.....	Peoria.....	Non-Federal-aid portion of contract..... Along FAI 74 from Kickapoo-Edwards Road interchange southeasterly to Peoria.....				341,428.24 560.50
		State I.....		Non-Federal-aid portion of contract..... (For balance of contract see Part A—Primary—FA 31 Spur—Section 117-3SG)	10.72	Traffic signs and delineators.....		57,837.81 1,791.98
FAI 74.....	72-5LS.....	Int.....	Peoria.....	Along FAI 74 between Kickapoo Road and Koerner Road northwest of Peoria.....	3.99	Roadside landscaping.....		10,381.00
FAI 74.....	72-8I-1.....	Int.....	Peoria.....	Along FAI 74 between Bradley Park and North Knoxville Ave. in Peoria.....	1.36	Highway fencing.....		25,135.63
FAI 57.....	77-1-1.....	Int.....	Pulaski.....	FAI 57 from about 2.75 mi. northeast to about 0.75 mi. east of Ullin.....	2.44	Dual PCC pavement.....	2@24	1,498,802.47 300.00
FAI 57.....	77-1-3.....	State I..... Int.....	Pulaski.....	Non-Federal-aid portion of contract..... FAI 57 from Cache River to south of Ullin Road (FAS 938).....	0.50	Cont. reinf. conc. pavt..... Hwy. gr. sep. struct.....	2@24	725,399.75 99,985.10
	77-1HB-3..... 77-1B-4,77-1B-3.....			On FAS 938 over FAI 57 southeast of Ullin..... On relocated Public Road No. 3 southeast of Ullin and on FAS 938 over channel change "A," east of FAI 57..... (For balance of contract see Part B—Interstate—Urban—FAI 57—Section 77-1HB-3—District 9) and (FAS 938—Sections 16RS, 16BY—in Local Roads and Streets Report)		Two bridges.....		57,605.45
FAI 74.....	81-2HL.....	Int.....	Rock Island.....	North approach to Rock River Bridge southerly, including interchange with FAI 280 south of Moline..	0.86	Highway lighting.....		32,458.42
FAI 74.....	33-1HL.....	State I.....		At intersection of FAI 74 with temporary route US 150.....	0.24	Highway lighting.....		13,904.00
FAI 74.....	81-3WS-2.....	State I.....	Rock Island.....	At 2 weigh stations on FAI 74 about 3 and 5 mi. southeast of Moline.....		Furnishing and installing electronic weighing equipment.....		65,457.00
FAI 80.....	81-1A.....	Int.....	Rock Island.....	FAI 80 from Mississippi River near Rapids City southerly.....	4.61	Roadway grading..... RC box culvert..... Traffic signs.....	136	3,113,145.25 36,202.50 900.00
FAI 80.....	81-1HB.....	State I..... Int.....	Rock Island.....	Non-Federal-aid portion of contract..... On FAI 80 over Ill. 2 and 92 about 2 mi. north of Barstow.....		Dual hwy. gr. sep. structs.....		183,348.87 125.00
FAI 80.....	81-1VB.....	State I..... Int. G.....	Rock Island.....	Non-Federal-aid portion of contract..... On FAI 80 over CB&Q RR about 1 mi. east of Barstow.....		Dual RR gr. sep. structs.....		358,298.29
	81-1HB-1.....	Int.....		On FAI 80 over County Highway 4 about 1 mi. east of Barstow.....		Dual hwy. gr. sep. structs.....		229,178.13

DESIGN

FAI 280.....	81-1-1A.....	Int.....	Rock Island.....	At interchange of FAI 280 with FA 199 south of Rock Island.....	1.04	Roadway grading.....	136	350, 331.11 9, 644.54
		State I...		Non-Federal-aid portion of contract..... (For balance of contract see Part A—Primary—FA 199—Section 2A)				
FAI 280.....	81-2HB-1.....	Int.....	Rock Island.....	On US 150 over FAI 280 about 1 mi. south of Moline..				
FAI 64.....	(82-1,2,3)DM-1.....	State I...		Non-Federal-aid portion of contract.....		Hwy. gr. sep. struct.....		202, 801.26
		Int.....	St. Clair.....	Right-of-way of FAI 64 between 9th Street and Kingshighway in East St. Louis.....	0.10	Dual PCC pavement.....	2@24	221, 242.15
FAI 64.....	82-(1,2,3)DM-2.....	Int.....	St. Clair.....	Right-of-way of FAI 64 between 9th Street and Kingshighway in East St. Louis.....		Identification signs.....		200.00
FAI 64.....	82-(1,2,3)DM-3.....	State I...		Non-Federal-aid portion of contract.....		Removal of 76 buildings.....		23, 697.50
		Int.....	St. Clair.....	Right-of-way of FAI 64 between 9th Street and Kingshighway in East St. Louis.....		Removal of 155 buildings.....		38, 480.00
FAI 70.....	82(F&E).....	Int.....	St. Clair.....	On FAI 70 over Mississippi River between MacArthur and Eades bridges.....	0.42	Removal of 60 buildings.....		27, 479.24
						Furnishing and fabricating structural steel for bridge.....		3, 996, 201.50
FAI 70.....	(82-1,2)LS.....	Int. State of Mo...		State of Missouri's portion of contract.....				3, 996, 201.50
		Int.....	St. Clair.....	Along FAI 70 between Ohio Ave. and Lynch Ave. in East St. Louis.....	0.81	Roadside landscaping.....		24, 029.00
FAI 70.....	(82-1,82-2)T-1-I.....	State I...		Non-Federal-aid portion of contract.....		Pumping station improve-ments.....		16, 966.45
		State I...	St. Clair.....	On East St. Louis Expressway near Bowman Ave. and 7th Street in East St. Louis.....		Bit. surf. of shoulders.....	4, 8, 10	202, 126.67
FAI 70.....	(82-5,6)I, (60-6)I.....	Int.....	St. Clair-Madison..	FAI 70 from north city limit of East St. Louis north-easterly to Black Lane.....	5.54			46, 198.00
		State I...		Non-Federal-aid portion of contract.....		Roadside landscaping.....		
FAI 57.....	91-3-1LS.....	Int.....	Union.....	(For balance of contract see Part A—Primary—FA 4, 132—Sections (580,581)I, (6-23)I)	1.32			31, 394.50
		State I...		Along FAI 57 about 6 mi. east of Anna.....				16, 250.98
FAI 57.....	Dist. 9 Interstate Drainage Correction '64-1.....	State I...	Various.....	Non-Federal-aid portion of contract.....		Drainage improvement.....		
FAI 80.....	(99-1HB-1)I,(99-1HB)I, Dist. 1 Road Guard '64-2.....	State I...	Will.....	Along FAI 57 between Marion and Wetaug in Wil-liamson, Johnson, Union, and Pulaski Counties....	30.40			279, 815.25
FAI 80.....	99-2VB.....	Int. G....	Will.....	Township Roads 153 and 55 about 1 mi. and 3 mi. northeast of Minooka respectively.....	0.42	Flex. base with bit. surf. treat. A-3.....	20, 18	21, 973.46
FAI 80.....	99-3D.....	State I...		On FAI 80 over EJ&E RR about 0.5 mi. southwest of Joliet.....		Dual RR gr. sep. structs.....		229, 826.93
		Int.....	Will.....	Non-Federal-aid portion of contract.....		Conc. decks for dual bridges.....		150.00
FAI 80.....	99-4-1VB.....	Int.....	Will.....	On FAI 80 over DesPlaines River in Joliet.....				687, 322.00
		Int.....		On FAI 80 over Rowell Ave., a lake, and CMSP&P and EJ&E Railroads in Joliet.....		Comb. dual bridge-RR-hwy. gr. sep. structs.....		56, 643.00
		Int. G....						652, 606.80
								280, 153.93

TABLE 21.—Continued.
PART A.—Continued.

Route ¹	Section	Class ²	County	Location	Length in Miles	Type of Work ³	Width in Feet	Contract Price
FAI 80.....	99-41VB-1.....	Int.....	Will.....	On FAI 80 over US 30, CRI&P RR, and Hickory Creek about 3 mi. east of Joliet.....	.....	Comb. dual bridge-RR-hwy. gr. sep. structs.....	.....	615,047.90
	99-4B-1, 4VB.....	Int. G. State I. Int..... State I. Int.....	Will..... Will.....	Non-Federal-aid portion of contract..... On FAI 80 over Hickory Creek..... Non-Federal-aid portion of bridges..... On FAI 80 over AT&SF RR, GM&O RR, and Gard- ner Street all in Joliet.....	..... ..... ..... .....	Dual bridges.....	.....	106,276.30 400.00 449,959.21 180.00
FAI 80.....	99-4HIB-1.....	Int. G. State I. Int.....	Will..... Will.....	Non-Federal-aid portion of RR structures..... On FAI 80 over relocated Richard Street near Linden Ave. in Joliet.....	..... .....	Dual comb. RR-hwy. gr. sep. structs.....	.....	426,108.34 197,353.57 160.00
	99-41SB. X3-16B.....	Int. G. Int.....	Will..... Woodford.....	On NYC RR over FAI 80 about 1.5 mi. east of Joliet..... On FAI 74 over Mackinaw River about 1 mi. south- east of Goodfield.....	..... .....	Dual hwy. gr. sep. structs..... Railroad subway struct.....	.....	215,823.58 251,441.79
FAI 74.....	X3-16HB.....	State I. Int.....	Woodford.....	Non-Federal-aid portion of contract..... On US 150 over FAI 74 south of Deer Creek.....	.....	Dual bridges.....	.....	559,100.01 142.00
FAI 74.....	X3-17HB-1.....	State I. Int.....	Woodford.....	Approaches to above structure..... Non-Federal-aid portion of approaches..... On FAI 74 over County Highway 21 about 0.25 mi. south of Congerville.....	0.38.....	Hwy. gr. sep. struct..... Flex. base with bit. conc. surf. 24.....	.....	110,112.25 134,350.37 1,800.00
FAI 74.....	X3-17HB.....	Int.....	Woodford.....	On Township Road 134 over FAI 74 about 1 mi. west of Congerville.....	.....	Dual hwy. gr. sep. structs.....	.....	173,305.67
FAI 74.....	X3-16HB-1.....	Int.....	Woodford.....	On Township Road 108 over FAI 74 about 0.5 mi. south of Goodfield.....	0.27.....	Hwy. gr. sep. struct..... Gr. or cr. stone approaches... 18.....	.....	74,612.10 37,339.68
					0.28.....	Hwy. gr. sep. struct..... Flex. base with bit. conc. surf. I-11.....	 22, 20 24	114,200.40 24,999.21 80,556.49
				(For balance of contract see Part A—Primary—FA 10 Spur—Section 16)	0.24.....	PCC pavement.....	.....	
Total Federal-aid interstate highway contracts awarded by the State, Part A.....								\$95,565,216.31

FEDERAL-AID INTERSTATE CONTRACTS AWARDED BY COOK COUNTY

FAI 55.....	207-0708.2A-CF.....	Int.....	Cook.....	On Harlem Ave. over Southwest Expressway.....	.....	Hwy. gr. sep. struct.....	.....	\$ 1,027,301.54
FAI 55.....	207-0711.2-CF.....	EACI.....	Cook.....	Southwest Expressway (FAI 55) between Harlem Ave. and Cicero Ave.....	3.05.....	PCC pavement.....	2@24.....	2,709,982.23
FAI 55.....	207-0711.3-CF.....	Int.....	Cook.....	Along Southwest Expressway (FAI 55) from 74th Ave. to LaCrosse Ave.....	.....	Highway lighting.....	.....	318,828.78

					DESIGN	
FAI 55.....	207-0711.4-CF, 207-1416.5-CF.....	EACI....	Cook.....	Along Southwest Expressway (FAI 55) from Harlem Ave. to Cicero Ave. and from California Ave. to Halsted Street.....	Expressway signing.....	157, 222.70
FAI 55.....	207-1011.1-CF.....	Int.....	Cook.....	On Central Ave. over the Southwest Expressway and GM&O RR.....	Comb. RR-hwy. gr. sep. struct.....	5, 251, 352.90
FAI 55.....	207-(1414.1,1415.2, 1415.3)-CF.....	Int. G....	Cook.....	On Southwest Expressway (FAI 55) from California Ave. to Western Ave.....	Hwy. elevated structs.....	5, 029, 800.20
FAI 55.....	207-1415.4-CF, 207-1516.4-CF.....	EACI....	Cook.....	Along Southwest Expressway (FAI 55) from California Ave. to Chicago River.....	Highway lighting.....	180, 067.40
FAI 55.....	207-1515.2-CF.....	Int.....	Cook.....	Southwest Expressway (FAI 55) from Hoyne Ave. to Wood Street.....	Hwy. elevated structs.....	7, 497, 328.94
FAI 55.....	207-1515.4-CF.....	EACI....	Cook.....	On Southwest Expressway (FAI 55) between Western Ave. and Hoyne Ave.....	Hwy. elevated struct.....	4, 920, 005.14
FAI 55.....	207-1516.2-CF.....	Int.....	Cook.....	Southwest Expressway (FAI 55) from Ashland Ave. to Wolcott Ave.....	Hwy. elevated structs.....	6, 032, 945.76
FAI 55.....	207-1616.4-CF, 207-1616.4A-CF.....	FBI.....	Cook.....	Southwest Expressway (FAI 55) between Chicago River and Halsted Street.....	PCC pavement.....	2, 535, 052.73
FAI 55.....	207-1616.5-CF.....	Int.....	Cook.....	Frontage Road "A" along FAI 55 from Bonfield Street to Farrell Street and frontage road "C" from Peoria Street to Green Street.....	0.70 2@24	
FAI 55.....	207-1616.8-CF.....	EACI....	Cook.....	On Southwest Expressway over Fuller and Loomis Streets.....	Frontage roads.....	156, 950.00
FAI 55.....	207-1616.10-CF.....	EACI....	Cook.....	On Southwest Expressway over Quarry Street and Archer Ave.....	Dual hwy. gr. sep. structs.....	1, 536, 944.28
FAI 55.....	207-1616.11-CF.....	Int.....	Cook.....	Along Southwest Expressway (FAI 55) from Chicago River to Halsted Street.....	Dual hwy. gr. sep. structs.....	2, 686, 412.45
					Highway lighting.....	96, 904.80
					Total Federal-aid interstate highway contracts awarded by Cook County, Part A.....	

FEDERAL-AID INTERSTATE HIGHWAY CONTRACTS AWARDED BY THE CITY OF CHICAGO

FAI 55.....	SW-1717.2-2B.....	Int.....	Cook.....	On South Wentworth Ave. over Southwest Expressway (FAI 55).....	Hwy. gr. sep. struct.....	\$ 594, 869.00
FAI 94.....	SW-1717.2-3B.....	Int.....	Cook.....	Carrying West 26th Street and Frontage Road "B" over part of Right-of-way of Southwest Expressway.....	2-Hwy. gr. sep. structs.....	1, 547, 223.50
FAI 55.....	SW-1717.4-1VB.....	Int.....	Cook.....	On South Canal Street over Southwest Expressway On Penn. and C&WI RRs over the Southwest Expressway.....	Hwy. gr. sep. struct.....	
FAI 55.....	SW-1717.4-2VB.....	Int. G.....	Cook.....	Both between South Canal Street and South Stewart Ave.....	Railroad subway struct.....	5, 768, 047.50
FAI 55.....	SW-1717.6-1P.....	Int.....	Cook.....	On CRI&P and NYC RRs over Southwest Route Expressway between South LaSalle Street and South Federal Street.....	Railroad subway struct.....	1, 900, 210.80
				South-Southwest Expressway (FAI 55) interchange; South Halsted to South Canal Street.....	Hwy. elevated struct.....	4, 261, 007.00

DESIGN

SBI 25	28Z-RS	U	Champaign	University Ave. (SBI 25) between Romine Street and Race Street in Urbana	Traffic control signals. Removal of 5 buildings.	20, 023.30 2, 500.00
SBI 39	14TS	State P.	Champaign	(For balance of contract see Part B—Primary—Urban—SBI 25—Section 28Z-RS—District 5)		
FA 25	4B-1	F	Christian	At intersection of Bloomington Road (Ill. 39—SBI 39) with Prospect Ave. in Champaign.	Traffic control signals.	7, 317.24
SBI 104	142B-1, 143B-1	State P.	Christian	On Ill. 29 (FA 25) over Flat Branch about 1 mi. east of Taylorville. On Ill. 104 (SBI 104) over branches of Clear Creek between Kincaid and Sangamon-Christian County line.	Bridge.	111, 350.30
Various	Dist. 8 Rest Stops '64-1	State P.	Clinton-St. Clair	(For balance of contract see Part B—Primary—Rural—SBI 104—Sections 142, 143(X,RS-1)—District 6)	3 bridges.	397, 202.56
FA 5	1963-T-1	State P.	Cook	At the following 3 locations: Ill. 161 at Carlyle cut-off east of Bartelso, Ill. 4 at intersection with Ill. 13 east of Marissa, and along US 460 about 1.5 mi. east of intersection with Ill. 157 in East St. Louis. On Archer Ave. (FA 5) at Charlton Ave. in Willow Springs and at Rust Street and Willow Springs Road.	3 rest stops.	24, 109.70
FA 6	(8R-1)I	State P.	Cook	(For balance of contract see Part A—Secondary—CH 171—Section 1963-T-1) At interchange of Elgin Bypass (FA 6) with Business Route US 20 southeast of Elgin.	Storm sewer and pipe culverts	13, 903.40
FA 7	3838-233SR	State P.	Cook-DuPage	On Roosevelt Road ramps between East-West and Tri-State Tollways at Elmhurst.	Stabilized shoulders.	32, 796.62
FA 61	531-2-VHB	U	Cook	On relocated Ill. 53 (FA 61) over Northwest Highway and C&NW RR in Palatine.	Drainage rehabilitation.	9, 751.60
FA 61	531-2.1	UG	Cook	Relocated Ill. 53 (FA 61) from Northwest Highway in Palatine northeasterly.	Dual comb. RR-hwy. gr. sep. structs.	648, 560.32 163, 560.22
FA 61	531-3	State P.	Cook	Non-Federal-aid portion of contract. Relocated Ill. 53 (FA 61) from Anderson Drive extended in Palatine southwesterly.	Dual PCC pavement.	2, 426, 667.85 57, 906.30
FA 61	531-3HB	U	Cook	(For balance of contract see Part A—Secondary—FAS 116—Section 531-3) On relocated Ill. 53 (FA 61) over Palatine Road in Arlington Heights.	Cont. reinf. conc. payt. Utility adjustments.	2, 836, 746.39 35, 834.75
FA 121	Dist. 10 Traffic Signals '64-2	State P.	Cook	At the following 6 intersections of 95th Street (FA 121) with Campbell, Millard, Crawford, Cicero, Roberts, and 96th Avenues in Hickory Hills, Oak Lawn, and Evergreen Park.	Dual hwy. gr. sep. structs.	267, 903.02
FA 133	0606-627VB	FG	Cook	On relocated Lawndale Ave. over AT&SF RR, B&OCT RR, and C&IW RR in Summit.	Modification of traffic control signals.	77, 525.91
FA 133	0606-628VB	U	Cook	On relocated Lawndale Ave. (FA 133) over Joliet Road and AT&SF RR spur in McCook.	Dual RR gr. sep. structs.	823, 648.05
		UG			Dual comb. RR-hwy. gr. sep. structs.	238, 331.61 220, 563.12

TABLE 21.—Continued.
PART A.—Continued.

Route ¹	Section	Class ²	County	Location	Length in Miles	Type of Work ³	Width in Feet	Contract Price
FA 133.....	0507-635K.....	U..... State P...	Cook.....	At intersection of Lawndale Ave. with relocated Center and Archer Avenues in Summit..... Non-Federal-aid portion of pavement..... (For balance of contract see Part A—Interstate—FAI 55—Section 0507-635K Part II)	0.05	PCC pavement.....	24 & Var.	507,113.86 1,200.00
FA 133.....	0606-670 Part I.....	U.....	Cook.....	Relocated Lawndale Ave. (FA 133) in Summit..... (For balance of contract see Part A—Interstate—FAI 55—Section 0507-635 Part I)	0.16	Roadway grading.....	2@42	294,210.09
SBI 1.....	3268-15D-Z-W-1-TS.	State P...	Cook.....	At intersection of Halsted Street (SBI 1) with 138th Street in Chicago.....		Rehabilitation of traffic control signals.....		20,860.47
SBI 4A.....	BR-IS.....	U.....	Cook.....	Along Archer Ave. (SBI 4A) and LaGrange Road at Archer Ave., LaGrange Road and 79th Street interchange in Justice.....	2.74	Highway signing and delineators.....		131,784.70 208.00
SBI 46.....	464-Y-I-W.....	State P... State P...	Cook..... Cook.....	Non-Federal-aid portion of contract..... Right-of-way of Mannheim Road between Lake Street and Addison Creek in Stone Park.....		Removal of 4 buildings.....		5,725.00
SBI 52.....	525-H-R.....	State P...	Cook.....	On Calumet Sag Road (SBI 52) at interchange with 96th Ave. northwest of Palos Park.....		Reconstr. of ramps.....	20	39,723.00
SBI 55.....	78-4-W.....	State P...	Cook.....	Right-of-way of Harlem Ave. between Cermak Road (SBI 55) and 21st Street at Berwyn.....		Removal of 2 buildings.....		5,628.00
SBI 60.....	ZRY-Ext., ZR-1-T.	F.....	Cook.....	Along Rand Road (SBI 60) between Dundee Road and Schoenbeck Road.....	4.14	Storm sewers.....		315,163.38
SBI 60.....	ZRY-Ext., ZR-1-W-TS.....	State P...	Cook.....	At the following 2 intersections: Rand Road (US 12-SBI 60) with Arlington Heights Road, Rand Road with Palatine Road, both north of Arlington Heights.....		Modification of traffic control signals.....		60,941.95
Various.....	Dist. 10 Traffic Signals '63-8.....	State P...	Cook.....	At nine (9) intersections all in Berwyn and Cicero.....		Traffic control signals.....		186,838.62
Various.....	Dist. 10 Traffic Signals '64-1.....	State P...	Cook.....	At the following 6 intersections: Ogden Ave. with 39th Street, Plainfield Road, 1st. Ave., Maple Ave., LaGrange Road and Plainfield Road with 1st Ave.....		Modification of traffic control signals.....		80,633.15
Various.....	Dist. 10 Traffic Signals '64-3.....	State P...	Cook.....	At thirteen (13) intersections in Cook County.....		Traffic control signals.....	110	407,376.95 2,200.00

DESIGN

Various	Dist. 10 Traffic Signals '64-4	State P...	Cook	At the following 9 intersections: Milwaukee Ave. with Dundee Road, River Road with Euclid Ave. and with Central Road, at tri- section of River Road—Rand Road and Lee Street, Rand Road with Elk Blvd., Lee Street with Al- gonquin Road and with Oakton Street, Mannheim Road with Lawrence Ave. and with Armitage Ave.		Modification of traffic control signals	90, 312.60
SBI 64	126 Ext.-T	State P...	DeKalb	Ill. 64 (SBI 64) about 250 feet east of Greeley Street in Sycamore		RC box culvert	48, 853.78
FA 7	JB-R, JB-R1	U	DuPage	On relocated Roosevelt Road (FA 7 relocated) over Salt Creek about 0.5 mi. south of Elmhurst		Dual bridges	243, 629.04
Reloc. Ill. 56	JB-R2	State P...	DuPage	Non-Federal-aid portion of contract		Bridge	2, 342.15
Various	Dist. 1 Traffic Signals '64-2	State P...	DuPage	On relocated Ill. 56 over Salt Creek in Elmhurst			108, 449.90
				Non-Federal-aid portion of contract			300.00
Various	Dist. 1 Traffic Signals '64-4	State P...	DuPage	At the following 3 intersections: Ill. 83 with Plainfield Road at Willowbrook, Ill. 55 with Batavia Road near Warrenville, and Alt. US 30 with Winfield Road at Winfield		Traffic control signals	30, 601.60
SBI 47	128BR	F	DuPage-Kane- Will Ford	At 15 intersections of various routes On Ill. 47 (SBI 47) over Drummer Creek Drainage Ditch about 3 mi. south of Gibson City		Traffic control signals	26, 028.05
SBI 37	2RS-2, 2BR, 4-2-1, 4- 2BR	State P...	Franklin-Jefferson	Ill. 37 (SBI 37) between Mt. Vernon and Benton		Bridge	101, 132.12
SBI 31	22HL	State P...	Fulton	At intersection of Ill. 100 (SBI 31) with Ill. 78 north of Dunfermline	0.22	Flex. base with bit. conc. surf. I-11	21, 465.71
SBI 96	120-I	State P...	Hancock	On 9.05 mi. Great River Road (Ill. 96—SBI 96) along Mississippi River between Nauvoo and Hamilton	1.29	PCC pavement	898, 636.69
FA 14	5-3B-1, 5-3B-2	F	Jackson	On Ill. 13 (FA 14) over Crab Orchard Creek Overflow and over Crab Orchard Creek about 1.25 and 1.75 mi. northeasterly of Carbondale respectively	0.45	Highway lighting	7, 986.56
FA 101	1R	F	Jackson- Williamson	Ill. 149 (FA 101) between 0.5 mi. west of Hurst and County Highway 9 near east limit of Hurst	1.27	Intermittent riprapping	58, 985.90
				Non-Federal-aid portion of pavement		Two (2) bridges	299, 614.50
				(For balance of contract see Part B—Primary—Rural —FA 101—District 9—Section 1R)	0.38	Earth grading	99, 901.05
FA 155	401-2LS	State P...	Jersey	Along Great River Road (FA 155) from about 1.25 mi. northwest of Elsbath southeasterly	0.69	PCC pavement	240, 220.41
FA 155	Dist. 8 Seal Coat '64-1	State P...	Jersey	Ill. 100 (FA 155) in vicinity of Pere Marquette State Park		Utility adjustments	74, 622.80
				US 20 (SBI 5)	4.80	Roadside landscaping	2, 706.75
				Westbound lane of US 20			15, 201.20
				Eastbound lane of US 20			
SBI 5	44A, 44B	F	JoDavies	Over Little Menominee River	5.65	Base strengthening and bit. surf. treat.	15, 930.06
				All on US 20 (SBI 5) from about 1.5 mi. west to about 1 mi. east of Menominee	3.00	Roadway grading	852, 717.46
					0.90	Roadway grading	475, 775.50
					0.86	PCC pavement	266, 961.44
						Dual bridges	232, 786.40

TABLE 21.—Continued.
PART A.—Continued.

							DESIGN	
Route ¹	Section	Class ²	County	Location	Length in Miles	Type of Work ³	Width in Feet	Contract Price
FA 7.....	(4,L)R, 4BR.....	F.....	Kane.....	Alt. US 30 (FA 7) between Ill. 47 and Geneva..... At Mill Creek.....	8.26	PCC pavement.....	24	1,290,788.78
FA 23.....	R-R-L.....	State P... State P...	 Kane.....	Non-Federal-aid portion of pavement..... On Ill. 31 (FA 23) at intersection with Big Timber Road in Elgin.....		RC double box culv.....		14,884.60 60,264.06
SBI 17.....	1B-R, 1B-1R,1R-B..	F.....	Kankakee.....	On Ill. 17 (SBI 17) over Baker Creek, over Exline Creek, and over Kankakee River all east of Kan- kakee.....	0.38	Highway lighting.....		14,598.30
FA 29.....	21HB.....	State P... U.....	 Knox.....	Non-Federal-aid portion of contract..... On Galesburg Bypass (FA 29) over US 150 about 0.5 mi. north of Galesburg.....		3 dual bridges.....		613,593.85 400.00
FA 29 Relocated..	21K.....	F.....	Knox.....	FA 29 relocated about 1 mi. north of Galesburg in vicinity of FAI 74, Section 48-26.....	0.67	Dual hwy. gr. sep. structs..... Dual PCC pavement.....	2@24	339,880.55 303,194.19
SBI 8, 80; FA 29.....	Dist. 4 Building Demolition '64-1..	State P...	Knox.....	Right-of-way of SBI 8, 80 and FA 29 in Galesburg, north of Galesburg, and west of Woodhull..... (For balance of contract see Part A—Interstate—FAI 74—Knox County)		Removal of 12 buildings.....		4,220.00
FA 60.....	(106-1)LS.....	State P...	Lake.....	Along US 12 (FA 60) between Fox Lake and Volo... On 0.58 mi. of US 12 (FA 60) between Bonner Road and Cook Street in Wauconda.....	3.24	Roadside seeding.....		6,168.00
FA 60.....	OR-I.....	State P...	Lake.....	(For balance of contract see Part B—Secondary— Rural—CHS 21—Section 54-RS—District 1) On Grand Ave. over relocated Ill. 42 (FA 130 & 42) in Waukegan.....	0.25	Deceleration lanes.....	2@12	20,136.40
FA 130, 42...	9HB.....	U.....	Lake.....			Hwy. gr. sep. struct.....		351,819.76
Various.....	Dist. 1 Traffic Signals '64-1.....	State P...	Lake-McHenry.....	At twelve (12) intersections on various routes.....		Modification of existing traffic control signals.....		25,109.49
Various.....	Dist. 1 Traffic Signals '64-3.....	State P...	Lake.....	At nine (9) intersections in Lake County.....		Modification of existing traffic control signals.....		12,048.90
SBI 2.....	75R.....	F.....	Lee.....	US 52 (SBI 2) between Amboy and US 30.....	3.12 0.77	PCC pavement..... Bit. conc. parking lanes.....	24 2@8	503,071.83 7,980.65
FA 9.....	24R, 24R-B.....	F.....	Livingston.....	US 24 (FA 9) from about 1.5 mi. west to about 0.25 mi. southeast of Chatsworth.....	2.45	PCC pavement.....	24	480,552.12
		State P... F.....	.....	Non-Federal-aid portion of pavement.....		Bridge.....		28,772.00
SBI 8.....	26R-1, 26BR.....	F.....	Livingston.....	US 24 (SBI 8) in and east of Fairbury.....		Utility adjustments.....		28,963.50
		State P... F.....	.....	Non-Federal-aid portion of pavement..... Over Indian Creek.....	2.97	PCC pavement.....	24	4,349.10
SBI 47.....	123BR.....	F.....	Livingston.....	On Ill. 47 (SBI 47) over creek south of Saunemin... (For balance of contract see Part B—Primary—Rural —SBI 47, 116—Sections 123BY; 114BR, 123BR-1; (122,123)R—District 3)		Bridge..... Bridge.....		503,479.33 400.00 95,976.70 65,724.52

DESIGN									
FA 2.....	50Z-VB.....	U.....	Macon.....	On Franklin—Water Streets Connector (FA 2) over Cerro Gordo Street, Wabash Railroad and Wabash Ave. in Decatur.....			Comb. RR-hwy. gr. sep. struct.....		263, 295.74
		UG.....					Misc. hwy. lighting.....		175, 578.36
SBI 2.....	48Z-SB.....	UG.....	Macon.....	Carrying IC RR over Franklin Street (SBI 2) in Decatur.....			RR subway struct.....		6, 522.60
FA 132.....	(5-10,6-3)I.....	F.....	Madison.....	Ill. 111 (FA 132) east of Mitchell.....			Stabilized shoulders.....	4, 8, 10	4, 070.40
		State P.....		Non-Federal-aid portion of contract.....					
				(For balance of contract see Part A—Interstate—FAI 270—Section (60-3)I)					
FA 151.....	(101,102)LS.....	State P.....	Madison.....	Along Ill. 3 (FA 151) north and south of US 66 west of Mitchell.....			Roadside landscaping.....		400, 741.12
SBI 160.....	132-I.....	State P.....	Madison.....	On access road off Ill. 140 (SBI 160) over Intermittent Creek at Alton.....		4.17	Bridge.....		42, 667.80
SBI 2.....	67R-SB.....	FG.....	Marshall-LaSalle.....	On AT&SF RR over US 51 (SBI 2) about 1.5 mi. north of Rutland.....			Substructure reconstr. for RR subway struct. excl. fur. of strl. st.....		28, 603.50
SBI 2.....	67R-SF.....	FG.....	Marshall-LaSalle.....	On AT&SF RR over US 51 (SBI 2) about 1.5 mi. north of Rutland.....			Fur. and fab. strl. steel for RR subway struct.....		47, 732.70
SBI 3.....	38BR.....	F.....	McDonough.....	On US 67 (SBI 3) over Farmers Creek about 1.5 mi. south of Good Hope.....			Bridge.....		24, 786.00
FA 2.....	56R.....	State P.....	McLean.....	Non-Federal-aid portion of contract.....					83, 690.10
		F.....		US 51 (FA 2) north and south of FAI 74 at south edge of Bloomington.....		0.55	Dual PCC pavement.....	2@24	791.00
FA 4.....	67-1HB.....	F.....	Monroe.....	(For balance of contract see Part A—Interstate—FAI 55, 74—Sections 57-7HB-1, 57-7-(1); 57-20-(1) On relocated Ill. 158 over relocated Ill. 3 (FA 4) about 1 mi. southeast of Columbia.....					267, 814.42
SBI 16.....	(20-S)I.....	State P.....	Montgomery.....	Ill. 16 (SBI 16) in Hillsboro and Schram City.....		0.18	Hwy. gr. sep. struct.....		326, 047.00
SBI 104.....	126B-1.....	F.....	Morgan.....	On Ill. 104 (SBI 104) over Mauvaise Terre Creek about 2.5 mi. east of Chapin.....			PCC pavement.....	30	113, 826.33
FA 31 Spur.....	117-3SG.....	U.....	Peoria.....	Along FA 31 spur in Peoria.....		0.14	Bridge.....		164, 136.13
				(For balance of contract see Part A—Interstate—FAI 74—Section 72(5,6,7,8)SG)			Traffic signs and delineators.....		24, 761.97
SBI 8.....	50HL.....	State P.....	Peoria-Tazewell.....	Bridge over Illinois River on US 150 (SBI 8) in East Peoria.....					
SBI 34.....	7(W,RS-2,BR).....	F.....	Pope.....	On Ill. 146 (SBI 34) over Lusk Creek at Golconda.....		0.18	Highway lighting.....		8, 350.74
				(For balance of contract see Part B—Primary—Urban—Section 7(W,RS-2,BR)—District 9)			Bridge.....		308, 105.20
FA 199.....	1-DM-1.....	State P.....	Rock Island.....	Right-of-way of Southwest Expressway (FA 199) between 4th and 12th Avenues in Rock Island.....			Removal of 31 buildings.....		18, 200.00
FA 199.....	1HB.....	U.....	Rock Island.....	On FA 199 over relocated 7th Ave. in Rock Island.....		0.13	Hwy. gr. sep. struct.....		106, 252.04
FA 199.....	2A.....	F.....	Rock Island.....	At interchange of FA 199 with FAI 280 south of Rock Island.....			Dual PCC pavement.....	2@24	99, 235.16
		State P.....		Non-Federal-aid portion of contract.....		0.53	Roadway grading.....	112	114, 336.27
				(For balance of contract see Part A—Interstate—FAI 280—Section 81-1-1A)					2, 458.08
SBI 3.....	7R,7RB,7RB-1.....	F.....	Rock Island.....	Ill. 2 (SBI 3) in and northwest of Silvis.....		4.17	Dual PCC pavement.....	2@24	1, 543, 943.92
		State P.....		Non-Federal-aid portion of dual pavement.....		0.78	PCC pavement.....	24	8, 674.83
		F.....		Non-Federal-aid portion of two-lane pavement.....			RC box culv.....		199, 924.26
		F.....							256.00
									20, 566.78

PART A.—Continued.
TABLE 21.—Continued.

Route ¹	Section	Class ²	County	Location	Length in Miles	Type of Work ³	Width in Feet	Contract Price
SBI 1 FA 5	31TS	State P.	Saline	On US 45 at intersection with Ill. 124 in Eldorado		Traffic control signals.		42,954.41
	110X-7TS	State P.	Sangamon	At 2 intersections on US Business Route 66 (FA 5) with Apple Orchard Road and with Linton Ave. near south limit of Springfield.		Traffic control signals.		13,604.95
SBI 24	8-BR-1	F	Sangamon	On Ill. 29 (SBI 24) over Sugar Creek about 1 mi. southeast of Springfield.		Bridge.		137,569.40
SBI 30	14(R,BR-2)	F	Stark	On Ill. 17 (SBI 30) over Indian Creek about 0.75 mi. west of Toulon.		Bridge.		128,365.55
FA 4, 132	(580,581)I, (6-23)I	State P.		Non-Federal-aid portion of pavement.	0.70	PCC base course approaches with bit. conc. surf. I-11.	24	205,536.85
		State P.	St. Clair-Madison	US 40 (FA 4) from south of FAI 70 in East St. Louis northerly	1.54 0.77	Bit. surf. of shldrs.	4, 8, 10	48,637.19
FA 12	28TS	State P.	St. Clair-Madison	FA 132 from southeast of A&S RR north of Fairmont City southerly and easterly		Traffic control signals.		8,313.95
FA 14	28-2H BK	F	St. Clair	(For balance of contract see Part A—Interstate—FAI 70—Sections (82-5,6)I, (60-6)I)		Hwy. gr. sep. struct.		168,243.64
SBI 3	510 Ext.-I	State P.	St. Clair	On Business Route US 40 and 66 at intersection with Ill. 111 in Fairmont City.	0.92	PCC ramp pavement.	14	406,813.33
		State P.	St. Clair	Non-Federal-aid portion of structure.		Bridge removal and detour road constr.		29,679.25
FA 10	13-VD	FG	Tazewell	On Ill. 3 (SBI 3) over former Cahokia Creek channel in National City.		RC deck for RR gr. sep. struct.		201,919.17
FA 10	13,14,13-HB-1	F	Tazewell	On Cedar Street Extension (FA 10) over P&PU RR Yard, NYC&St.L RR and Caterpillar Access Road in East Peoria.	0.33	Hwy. gr. sep. struct.		254,607.55
SBI 9	7HL	State P.	Tazewell	On FA 10 over relocated Edmund Street in East Peoria.		Dual PCC pavement.	2@24	404,161.41
	12-1B	F	Union	Non-Federal-aid portion of dual pavement. At intersection of Washington Street and Edmund Street relocated.		Traffic control signals.		42,309.52
FA 2	12-1B	F	Union	Non-Federal-aid portion of traffic signals. At intersection of Ill. 98 (SBI 9) with Ill. 121 about 0.5 mi. west of Morton.		Highway lighting.		1,561.30
FA 2	12-1B-1	State P.	Union	On FA 2 over Cache Creek about 1 and 2.5 mi. south- east of Cobden respectively.		Bridge.		16,015.71
Various	Dists. 1 and 10 Thermoplastic Pavement Mark- ing '64-1	State P.	Various	Non-Federal-aid portion of bridge. Under FA 2 and under Township Road 126 all about 0.75 mi. north of Anna.		RC triple box culv.		8,437.89
		State P.	Various	Non-Federal-aid portion of contract.		2 RC triple box culverts.		61,444.90
		State P.	Various	On various routes in Districts 1 and 10.		Pavement marking.		28,385.40
		State P.	Various					150.00
		State P.	Various					86,591.65
		State P.	Various					150.00
		State P.	Various					97,368.40

DESIGN

SBI 6.....	32-2-1.....	State P.....	Whiteside.....	East Fourth Street (SBI 6) between 2nd and 4th Avenues in Sterling.....	0.16	PCC pavement.....	30, 40	93,437.25
SBI 88.....	101B-1.....	F.....	Whiteside.....	On Ill. 88 (SBI 88) over Illinois-Mississippi Feeder Canal south of Rock Falls.....	0.42	Bridge..... Conc. paved approaches.....	24	97,976.60 111,140.15 1,976.25
SBI 69.....	128T.....	State P..... State P.....	Will.....	Non-Federal-aid portion of pavement. Jefferson Street (SBI 69) between Fairlane Drive and Hammes Ave. in Joliet.....	0.90	Storm sewers.....		163,785.85
FA 14.....	5-3B-3, 5-3B-4.....	F.....	Williamson.....	On Ill. 13 (FA 14) over Crab Orchard Lake about 5 mi. east of Carbondale and about 2.5 mi. west of Crainville respectively.....		2 bridges.....		209,477.02 300.28
FA 14.....	6-1.....	State P..... F.....	Williamson.....	Non-Federal-aid portion of contract. Relocated Ill. 13 (FA 14) from northeast limit of Marion southeasterly.....	1.45	PCC pavement.....	24	344,874.08 18,926.94
FA 188.....	3-TS.....	State P..... State P..... State P.....	Winnebago.....	Non-Federal-aid portion of 2-lane pavement. From 1.3 mi. east of Marion easterly to east of Ill. 66. Non-Federal-aid portion of dual pavement. At intersection of US 51 (FA 188) with Harlem Road north of Loves Park in Rockford.....	2.67	Dual PCC pavement.....	2@24	1,110,729.35 82,806.20
FA 194.....	1.....	F.....	Winnebago.....	FA 194 between Weldon and Montague Roads in and west of Rockford.....		Traffic control signals.....		10,717.65
FA 194, 2.....	(1,2,3,4,5,6)SG,I, 1SG.....	State P..... F.....	Winnebago.....	Non-Federal-aid portion of contract. Along Rockford Bypass (FA 194) and Whitman Street interchange (FA 2) in and around Rockford. Non-Federal-aid rural portion of contract.....	3.23	Dual PCC pavement.....	2@24	1,504,825.30 454.00
FA 194.....	1HB-2.....	State P..... U..... F.....	Winnebago.....	On Meridian Road over Rockford Bypass (FA 194) about 2.5 mi. west of Rockford.....	0.52	Traffic signs and delineators.....		69,293.63 10,069.10 184,700.07
FA 194.....	1HVB-3 & 1VB.....	F.....	Winnebago.....	On Rockford Bypass (FA 194) over Cunningham Road and C&NW RR.....	0.46	Hwy. gr. sep. struct. PCC pavement..... Pipe culvert.....	24	80,243.75 200,489.98 33,425.50
FA 194.....	2.....	FG..... UG.....	Winnebago.....	FG portion of above section. On Rockford Bypass (FA 194) over IC RR west of Rockford.....	0.21	Dual RR gr. sep. structs. Roadway grading..... Multiple pipe arch.....		102,261.65 348,526.88 131,275.20 90,485.69
SBI 70.....	105R-TS-1.....	F.....	Winnebago.....	Rockford Bypass (FA 194) at Rockford.....	2.55	Dual RR gr. sep. structs. Dual PCC pavement.....	2@24	102,062.85 954,541.60 38,266.00
FA 10 Spur..	16.....	State P..... F.....	Winnebago..... Woodford.....	At intersection of 11th Street and Sandy Hollow Road south of Rockford. Township Road 108 and FA 10 spur south of Goodfield.....		Traffic control signals.....		8,932.65
SBI 2.....	(65,66)R.....	F.....	Woodford.....	(For balance of contract see Part A—Interstate—FAI 74—Section X-3-16HB-1) US 51 (SBI 2) from about 0.25 mi. northwest of Minonk southerly.....	0.24	PCC pavement.....	24	49,247.85
		State P..... F..... State P..... State P..... F..... F.....	Winnebago..... Woodford..... Winnebago..... Woodford..... Winnebago..... Woodford.....	Non-Federal-aid portion of contract. 10 primary highway railroad grade crossings. 4 primary highway railroad grade crossings. 10 primary highway railroad grade crossings. 4 primary highway railroad grade crossings.....	5.79	PCC pavement.....	24	1,103,433.50 978.00 282,344.88 95,326.07 96,265.60 141,444.57 58,872.00
					1.01	Dual PCC pavement..... Miscellaneous improvements. Automatic protection..... Miscellaneous improvements..... Automatic protection.....	2@24	

Total primary highway contracts awarded by the State (excluding interstate), Part A

\$36,171,549.05

TABLE 21.—Continued.
PART A.—Concluded.

PRIMARY HIGHWAY CONTRACTS AWARDED BY COOK COUNTY (EXCLUDING FEDERAL-AID INTERSTATE CONTRACTS)						
Route ¹	Section	Class ²	County	Location	Length in Miles	Type of Work ³
FA 1.....	145-1717-MFT.....	F.....	Cook.....	Michigan Ave. (FA 1)—Oak Street interchange in Chicago.....	0.69	PCC pavement.....
						2@36
						\$3,399,884.18
Total primary highway contracts awarded by Cook County (excluding interstate), Part A.....						
						\$3,399,884.18
PRIMARY HIGHWAY CONTRACTS AWARDED BY THE CITY OF CHICAGO (EXCLUDING FEDERAL-AID INTERSTATE CONTRACTS)						
SBI 50.....	50-4X-B.....	U.....	Cook.....	Cicero Ave. (SBI 50) Bascule Bridge over Sanitary and Ship Canal.....		Bridge substructure widening.....
SBI 50.....	50-4X-C-E-F.....	U.....	Cook.....	Cicero Ave. (SBI 50) Bascule Bridge over Sanitary and Ship Canal.....		Bridge superstructure widening.....
Southwest Exp.....	SW-1717.9-9W.....	U.....	Cook.....	Right-of-way of Southwest Expressway between Cermak Road and 23rd Place.....		Building removal.....
						\$ 659,020.00
						1,592,991.80
						13,400.00
Total primary highway contracts awarded by the City of Chicago (excluding interstate), Part A.....						
						\$2,265,411.80
SECONDARY ROAD CONTRACTS AWARDED BY THE STATE (EXCLUSIVE OF FEDERAL-AID SECONDARY CONTRACTS)						
FH-13.....	38Q.....	FH-S....	Alexander.....	Forest Highway 13 from 0.25 mi. north and 4 mi. west of Tamms northerly.....	0.79	Flex. base with bit. surf. treat. A-3.....
Other Road No. 1.....	6-I.....	State S...	Calhoun.....	Other Road No. 1 between Ill. 96 south of Mozier and Hamburg.....	3.87	Bit. surf. treat. A-3.....
FA 170.....	Dist. 5 Bituminous Seal Coat '64-1.....	State S...	Coles-Cumberland.	Lincoln Log Cabin Road (FA 170) from west of Lerna to south of Janesville and south of Charleston.....	17.07	Bituminous seal coating.....
CHS 123.....	3228B-15D-Z-1-TS..	State S...	Cook.....	At the following 2 intersections: Dempster Street (Ill. 58-CHS 123) with Gross Point Road, and Gross Point Road with Laramie Ave. and Carol Street in Skokie.....		Rehabilitation of traffic control signals.....
CH 128.....	3072-A-15D-Z-Y-TS	State S...	Cook.....	At the following 2 intersections: Oakton Street (CH 128) with Harlem Ave., and Oakton Street with Waukegan Rd. (Ill. 42A)....		Modification of traffic control signals.....
						\$ 59,558.18
						32,809.71
						21,918.60
						62,449.00
						68,991.20

CHS 130.....	3035-15D-Z-Y-TS.....	State S.....	Cook.....	At the following 4 intersections: Touhy Ave. (Ill. 72-CHS 130) with Elmhurst Rd., Touhy Ave. (Ill. 72-CHS 130) with Mt. Prospect Rd., Touhy Ave. (Ill. 72-CHS 130) with Wolf Rd., and Higgins Rd. (Ill. 72-SBI 63) with Elmhurst Rd. northwest of Chicago.....					DESIGN
CH 171.....	1963-T-1.....	State S.....	Cook.....	On 87th Street (CH 171) at Melvina Ditch east of Harlem Ave. in Worth and Stickney Townships.. (For balance of contract see Part A—Primary—FA 5 —Section 1963-T-1)				Modification of traffic control signals.....	107,607.60
CH 257.....	1964-1-T.....	State S.....	Cook.....	Along 115th Street (County Highway 257) between GT RR and Whipple Street in Merrionette Park...		0.12		Culvert rehabilitation.....	11,139.55
FAS 116.....	531-3.....	US.....	Cook.....	Palatine Road (FAS 116) east and west of interchange with relocated Ill. 53 at Palatine..... (For balance of contract see Part A—Primary—FA 61 —Section 531-3)		0.24	22, Var.	Storm sewers.....	9,832.75
FAS 106.....	51-VB.....	USG.....	Kane.....	On Ill. 25 (FAS 106) over C&NW RR in Geneva.....				PCC pavement.....	242,764.21
FAS 106.....	93-LS.....	State S.....	Kane.....	Non-Federal-aid portion of contract.....				RR gr. sep. struct.....	254,142.68
CH 28.....	65B.....	State S.....	Lake.....	Along Ill. 25 (FAS 106) from south of Ill. 63 in Car- pentersville northerly.....		2.80		Roadside landscaping.....	250.00
FAS 1548.....	3HB.....	US.....	Macon.....	Under County Highway 28 at Squaw Creek about 0.75 mi. south of Round Lake.....				Metal pipe culvert.....	29,798.49
Various.....	Dist. 7 Seal Coat '64-1.....	State S.....	Various.....	On Garfield Ave. (FAS 1548) over 22nd Street in De- catur..... Non-Federal-aid portion of contract.....				Hwy. gr. sep. struct.....	32,210.44
		State S.....	Various.....	On various routes, frontage roads, and side roads in Clay, Crawford, Effingham, Richland, Lawrence, and Jefferson Counties.....		35.20	18, 24	Bit. seal coat.....	93,946.50
		State S.....		2 secondary road railroad grade crossings.....				Miscellaneous improvements.....	65.00
		State S.....		4 secondary road railroad grade crossings.....				Automatic protection.....	49,588.77
		US.....		One secondary road railroad grade crossing.....				Automatic protection.....	14,919.00
									88,571.00
									14,008.00
Total secondary road contracts awarded by the State (excluding Federal-aid secondary contracts), Part A.....									\$1,194,570.68
Total, Part A.....									\$198,008,361.67

TABLE 21.—Continued.
PART B.—Continued.

[illegible]

DESIGN									
2.....	SBI 40.....	(7, 8)RS.....	State P.....	Whiteside.....	Ill. 88 (SBI 40) from 7 mi. north of Sterling southerly.....	6.81.....	.....	.....	100, 153.00 1, 650.00
2.....	FA 188.....	4(B, B-1, B-2, B-3)....	F.....	Winnebago.....	US 51 (FA 188) between McDonald Road south of Roscoe and Harlem Road (CH 25).....	3.81.....	.....	b90.....	233, 647.20 919, 131.80
			State P.....		Non-Federal-aid portion of dual base courses.....	.....	.....	.....	200.00 87, 156.90 138, 519.70
			F.....		(For balance of contract see Part B — Primary — Urban — FA 188 — Section 4 — District 2)	.....	.....	w2 r2.....	
2.....	SBI 75.....	Dist. 2 Bituminous Resurfacing '64-1...	State P.....	Winnebago.....	On 13.7 mi. of Ill. 75 (SBI 75) between Durand and Rockton.....	2.00.....	.....	.....	33, 052.50
3.....	SBI 9.....	1 ^a	State P.....	Ford.....	On 8.09 mi. of Ill. 9 (SBI 9) between Paxton and Elliott.....	2.49.....	.....	.....	41, 010.00
3.....	SBI 8, 116...	4 ^a	State P.....	Iroquois.....	US 24 (SBI 8) between Watseka and Sheldon.....	1.85.....	.....	.....	38, 450.00
					US 52 (SBI 116) between Sheldon and Donovan.....	0.67.....	.....	.....	9, 165.50
3.....	SBI 7A.....	(B, D, I-1, I, L, M, N, U, V & W)RS....	State P.....	LaSalle.....	Ill. 71 (SBI 7A) between Jonesville and Ottawa.....	12.20.....	.....	b405.....	178, 831.12 8, 072.00
3.....	SBI 17.....	2 ^a	State P.....	LaSalle.....	Ill. 17 (SBI 17) between Wenona and Ill. 179.....	2.49.....	.....	.....	39, 679.50
3.....	SBI 17, 23...	3 ^a	State P.....	LaSalle.....	On 6.09 mi. of Ill. 18 (SBI 17) from about 1 mi. east of Streator easterly Ill. 23 (SBI 23) from about 0.5 mi. north of Streator northerly.....	2.05.....	.....	.....	32, 499.90
3.....	SBI 47, 116.	123BY.....	F.....	Livingston.....	On Ill. 47 (SBI 47) over Five-mile Creek.....	0.46.....	.....	.....	8, 206.10
					On Ill. 116 (SBI 116) over creek and on Ill. 47 (SBI 47) over North Fork of Vermilion River.....	.....	.....	w1.....	54, 115.65
					At intersection of Ill. 47 with Ill. 116... Non-Federal-aid portion of bituminous surfacing.....	0.61.....	.....	r2.....	154, 642.26 256, 876.93
			State P.....		(For balance of contract see Part A — Primary — SBI 47 — Section 123BR) On 24.47 mi. of US 24 (SBI 31) from US 136 southwesterly to Rushville.....	.....	.....	.....	437.50
4.....	SBI 31.....	1 ^a	State P.....	Fulton-Schuyler....	On US 24 (SBI 31) over Otter Creek about 9 mi. south of Duncan Mills... Ill. 116 (SBI 97) in and east of London Mills.....	5.03.....	.....	c1, 329.....	68, 499.75 29, 002.00
4.....	SBI 31.....	18B-I.....	State P.....	Fulton.....	Non-Federal-aid portion of base widening.....	.....	.....	r1.....	45, 585.50
4.....	SBI 97.....	142W, 143W-1.....	F.....	Fulton.....	Non-Federal-aid portion of base widening.....	.....	c4 34.....	2@3.....	147, 772.21
			State P.....		Non-Federal-aid portion of base course	.....	.....	.....	200.00 574, 874.37 2, 644.00
			F.....			.....	.....	.....	
			State P.....			.....	c2.08 24.....	.....	

TABLE 21.—Continued.
PART B.—Continued.

District	Route ¹	Section	Class ²	County	Location	Miles of Bituminous Surface	Miles of Base Widening	Miles of Full-width Base	Width in Feet	Pavement Patching (Square Yards)	Number of Bridges	Contract Price
4.....	SBI 97.....	142RS, 143RS-1.....	F.....	Fulton.....	Ill. 116 (SBI 97) in and east of London Mills.....	6.42			24			247, 906.62
4.....	SBI 168.....	(114, 115)RS.....	State P.	Fulton.....	Ill. 97 (SBI 168) between Fiatt and Cuba.....	4.46			18	c2, 183		69, 822.79 31, 004.00
4.....	SBI 97A, 97.....	(135, 137, 138, 139)RS.....	State P.	Henderson-Warren.....	SBI 97A from Raritan northerly to Ill. 116 thence easterly to Roseville.....	10.06			18	b3, 988		132, 657.10 66, 602.00
4.....	SBI 41.....	13W.....	F.....	Knox.....	Ill. 41 (SBI 41) between Abingdon and St. Augustine.....		c2.23	c1.83	2@3 24			212, 827.71 431, 798.75 11, 270.00
4.....	SBI 41.....	13RS.....	State P.	Knox.....	Non-Federal-aid portion of base course Ill. 41 (SBI 41) between Abingdon and St. Augustine.....	4.10			24			180, 638.08 3, 354.65
4.....	SBI 97.....	2 ^a	State P.	Knox-Warren.....	Non-Federal-aid portion of contract. On 13.56 mi. of Ill. 116 (SBI 97) between Roseville and St. Augustine.....	4.33			18			53, 936.70 22, 381.00
4.....	SBI 29, 90.....	3 ^b	State P.	Marshall.....	Ill. 17, 29 (SBI 90, 17) from about 10 mi. west to 2 mi. north of Sparland.....	12.87			18, 22			40, 483.10 6, 120.00 8, 242.00
4.....	SBI 3.....	4 ^b	State P.	McDonough-Warren.....	On 9.8 mi. of US 67 (SBI 3) between Good Hope and Roseville.....	4.82			18			56, 562.13 5, 686.00 7, 520.00
4.....	SBI 9.....	(10, 11)RS.....	State P.	McLean-Woodford.....	US 150 (SBI 9) from about 2 mi. north to about 1.5 mi. east of Carlock.....	3.63			18			72, 246.00 3, 456.50 22, 622.00 72, 028.52 25, 089.00
4.....	SBI 85.....	102-RS.....	State P.	Mercer.....	US 67 (SBI 85) south of Viola.....	4.10			18	c223 b1, 323		93, 017.40 32, 645.00
4.....	SBI 29.....	(10, 11, 12)RS.....	State P.	Peoria.....	Ill. 29 (SBI 29) from Mossville southerly.....	6.59			22	c1, 281		88, 791.50 11, 186.00
4.....	SBI 30.....	(2, 3, 7 & 8)RS.....	State P.	Peoria.....	On 14.61 mi. of Ill. 91 (SBI 30) between Peoria and Princeville.....	5.93			18	c2, 521 b996		102, 753.85 7, 119.00 24, 977.00
4.....	SBI 78.....	(129, 130, 130S)RS.....	State P.	Peoria-Stark.....	Ill. 78 (SBI 78) between West Jersey and Laura.....	7.82			18	c678 b2, 074		

DESIGN									
4.....	SBI 93 Spur	107RS.....	State P.	Stark.....	SBI 93 Spur from Osceola southerly to Coolidge Street in Pekin..... (For balance of contract see Part B — Primary — Urban — SBI 24 — Section 10W — District 4)	2.34	.....	.....	39,931.16
4.....	SBI 24.....	10W.....	F.....	Tazewell.....	Ill. 29 (SBI 24) from Ill. 98 southerly to Coolidge Street in Pekin..... (For balance of contract see Part B — Primary — Urban — SBI 24 — Section 10W — District 4)	.....	.....	.....	14,216.00
4.....	SBI 24.....	10RS.....	F.....	Tazewell.....	Ill. 29 (SBI 24) from intersection with Ill. 98 southerly to Pekin..... (For balance of contract see Part B — Primary — Urban — SBI 24 — Section 10RS — District 4)	0.97	.....	.....	205,177.54
5.....	SBI 25.....	28X-1RS.....	State P.	Champaign.....	US 45 (SBI 25) from about 1 mi. north of Urbana northerly.....	3.26	.....	.....	131,103.50
5.....	SBI 49.....	114W-1, 114RS-1.....	State P.	Clark-Coles.....	Ill. 49 (SBI 49) from Westfield northerly.....	5.99	.....	.....	189,555.00
5.....	SBI 49.....	114BY.....	State P.	Coles.....	Bridge on Ill. 49 (SBI 49) over Polecat Creek about 3 mi. southeast of Ashmore.....	.....	.....	.....	356,143.74
5.....	SBI 133.....	121W-1, 122W.....	F.....	Coles-Douglas-Edgar.....	On Ill. 49 (SBI 49) over West Fork of Embarrass River about 0.5 mi. north of Westfield.....	.....	.....	.....	99,160.00
5.....	SBI 133.....	121RS-1, 122RS.....	F.....	Coles-Douglas-Edgar.....	Ill. 133 (SBI 133) from Hindsboro southeasterly.....	.....	.....	.....	27,047.78
5.....	SBI 133.....	122BR.....	F.....	Coles-Douglas.....	Ill. 133 (SBI 133) from Hindsboro southeasterly.....	10.87	.....	.....	119,894.17
5.....	Various.....	2 ^h	State P.	DeWitt-Macon-Piatt.....	On various routes and locations.....	1.20	.....	.....	622,884.85
5.....	SBI 39.....	(10, 11)RS, 12RS-1.....	State P.	DeWitt-Piatt.....	US 150 (SBI 39) from about 0.5 mi. west of Piatt-Champaign County line northwesterly to DeWitt-McLean County line.....	12.37	.....	.....	125,450.00
5.....	Various.....	1 ^h	State P.	Various.....	On various routes between Decatur and Charleston in Coles, Moultrie, Macon, Piatt, and Shelby Counties.....	1.37	.....	.....	441,501.02
6.....	FA 158.....	5RS-1, 6RS.....	F.....	Calhoun.....	Ill. 96 (FA 158) from Bellview southeasterly.....	5.06	.....	.....	271,785.15
6.....	SBI 3.....	5(W, RS).....	State P.	Cass.....	Non-Federal-aid portion of contract.....	2.30	.....	.....	20,950.25
			F.....		US 67 (SBI 3) in and west of Virginia.....	.....	.....	.....	68,983.50
						.....	.....	.....	261,702.50
						.....	.....	.....	20,655.00
						.....	.....	.....	25,679.50
						.....	.....	.....	103,245.10
						.....	.....	.....	299,505.35
						.....	.....	.....	400.00
						.....	.....	.....	60,733.96
						.....	.....	.....	57,980.60
						.....	.....	.....	8,226.00

TABLE 21.—Continued.
PART B.—Continued.

District	Route ¹	Section	Class ²	County	Location	Miles of Bituminous Surface	Miles of Base Widening	Miles of Full-width Base	Width in Feet	Pavement Patching (Square Yards)	Number of Bridges	Contract Price
6.....	SBI 104.....	142, 143(X, RS-1).....	State P.	Christian.....	Ill. 104 (SBI 104) between Kincaid and Sangamon-Christian County line... (For balance of contract see Part A — Primary — SBI 104 — Sections 142B-1, 143B-1)	2.29		c2.29	24 24			46, 148.75 505, 117.03
6.....	SBI 43, 120, 121....	Dist. 6 Patching '64-3.	State P.	Logan-Mason.....	On Ill. 10 (SBI 43, 120) between Easton and Logan-DeWitt County line and on Ill. 121 (SBI 121) from north limit of Mt. Pulaski to southeast of US 54.							
6.....	SBI 104....	126(X, RS-1).....	F.....	Morgan.....	Ill. 104 (SBI 104) from about 2 mi. east of Chapin easterly.....	1.08		c1.08	24 24	c3, 115		64, 678.75
6.....	SBI 24....	8BR-2.....	F.....	Sangamon.....	On Ill. 29 (SBI 24) over South Fork of Sangamon River about 1 mi. northwest of Rochester.....						r1	23, 936.01 199, 460.51
6.....	SBI 31....	11(W, RS).....	F.....	Schuyler.....	US 24 (SBI 31) between Moline River and Rushville.....	4.66	b3.26	c1.40	24 2@3 24			186, 210.90
6.....	Various....	1 ^h	State P.	Various.....	On various routes in Christian, Morgan, and Sangamon Counties.....	6.17			16, 22, 26			109, 580.27 21, 186.00
7.....	SBI 1.....	(16, 17, 18)W.....	F.....	Lawrence.....	Ill. 1 (SBI 1) from Lawrenceville to Lawrence-Crawford County line... Non-Federal-aid portion of widening..		c3.98		2@3			257, 521.72 545.60
7.....	FA 140....	(405, 7, 10)RS.....	State P.	Montgomery.....	Ill. 185 (FA 140) between Coffeen and Montgomery-Fayette County line..	9.43		c3.21	24	c430		687, 559.81 7, 348.00
7.....	Various....	1 ^h	State P.	Various.....	On various routes at various locations in Clay, Edwards, Gallatin, Richland, Wabash, Wayne, and White Counties.....				21, 24	b200		220, 195.93 3, 000.00
8.....	FA 128....	1-BR.....	F.....	Clinton.....	On Ill. 127 (FA 128) over Kaskaskia River about 2.25 mi. south of Carlyle..... Non-Federal-aid portion of contract...	10.14			Var.	b445		194, 828.40 11, 125.00
			State P.								r1	433, 086.10 10, 000.00

DESIGN									
8.....	FA 155.....	401-1.....	F.....	Jersey.....	McAdams Parkway and Great River Road (FA 155) between Chautauqua and Grafton.....	2.67 0.37			156,975.38 19,643.04 372,536.60 201,597.18
8.....	FA 5.....	23-S(RS).....	State P.....		Non-Federal-aid portion of rigid base course.....				1,424.42
8.....	Various.....	1 ^h	State P.....	Madison-Monroe-St. Clair.....	US 66 (FA 5) about 1.5 mi. southwest of Mt. Olive.....	0.27	24		28,341.25
8.....	FA 5.....	(117-4)RS.....	State P.....	St. Clair.....	On various routes and locations.....	9.12	20, 22, 36		180,063.48
8.....	SBI 16.....	22, 24-Z(W, RS).....	State P.....	Montgomery.....	US 66 (FA 5) west of Litchfield.....	0.60	24		80,677.98
8.....	FA 13.....	30-BR.....	F.....	St. Clair.....	Ill. 16 (SBI 16) in and west of Litchfield.....	0.26	24		13,716.60
9.....	SBI 150.....	1 ^h	State P.....	Alexander.....	On US 50 (FA 13) over Little Silver Creek at Lebanon.....		2@3		20,873.65
9.....	SBI 14.....	.....	State P.....	Franklin.....	Approaches to above structure.....	0.74	24	1	97,624.75
9.....	SBI 143.....	.....	State P.....	Washington-Perry.....	Non-Federal-aid portion of widening.....		1@3		5,976.00
9.....	SBI 148.....	126(W, RS-2).....	State P.....	Franklin.....	Ill. 3 (SBI 150) between Thebes and Future City.....				13,745.20
9.....	SBI 148.....	129, 129X, 129X-2 (W-1, RS-1).....	State P.....	Franklin-Williamson.....	Ill. 14 (SBI 14) between Buckner and West City.....				627.50
9.....	SBI 149.....	107RS-2.....	State P.....	Franklin.....	Ill. 34 (SBI 143) east of Benton.....				
9.....	FA 101.....	1R.....	F.....	Jackson-Williamson.....	US 51 (SBI 2) between northwest of DuBois and north of Tamaroa.....	6.51	18		142,462.48
9.....	SBI 13.....	5D.....	State P.....	Jackson.....	Ill. 148 (SBI 148) from Sesser to North City.....	6.20	24		15,802.00
9.....	SBI 13.....	5RS.....	State P.....	Jackson.....	Ill. 148 (SBI 148) between Zeigler and Herrin.....		2@3		163,431.80
9.....	SBI 13.....	5D.....	State P.....	Jackson.....	Ill. 149 (SBI 149) between Horrell Street in West Frankfort and Ill. 34 in Thompsonville.....	6.10	24		186,370.30
9.....	SBI 13.....	5D.....	State P.....	Jackson.....	Ill. 149 (FA 101) at west edge of County Highway 9 near east limit of Hurst.....				13,570.00
9.....	SBI 13.....	5D.....	State P.....	Jackson.....	(For balance of contract see Part A — Primary — FA 101 — Section 1R) On Ill. 13 (SBI 13) over Crab Orchard Creek about 1.5 mi. east of Carbondale.....	6.10	2@3		165,886.24
9.....	SBI 13.....	5D.....	State P.....	Jackson.....	Ill. 13 (SBI 13) east of Carbondale.....				222,307.45
9.....	SBI 13.....	5D.....	State P.....	Jackson.....	(For balance of contract see Part B — Secondary — Rural — Williamson County — CH 14 — Section Q-RS — District 9)				11,420.00
9.....	SBI 13.....	5D.....	State P.....	Jackson.....		7.69	18		160,059.95
9.....	SBI 13.....	5D.....	State P.....	Jackson.....		0.10	22		17,751.02
9.....	SBI 13.....	5D.....	State P.....	Jackson.....		3.14	18	1	20,646.75
9.....	SBI 13.....	5D.....	State P.....	Jackson.....					82,811.71

TABLE 21—Continued
PART B.—Continued.

Dis- trict	Route ¹	Section	Class ²	County	Location	Miles of Bitumi- nous Surface	Miles of Base Widen- ing	Miles of Full- width Base	Width in Feet	Pavement Patching (Square Yards)	Number of Bridges	Contract Price
9.....	SBI 13.....	8-D.....	State P.	Saline.....	On Ill. 13 (SBI 13) over Bankston Fork about 3.5 mi. west of Harrisburg.....	.....	.....	.....	.....	.....	r1	23, 114.75
9.....	SBI 13.....	(1, 1XT)RS-2.....	State P.	Williamson.....	Ill. 13 (SBI 13) between Carterville Road and Marion.....	3.88	.....	.....	18, 20	e200	.....	84, 389.75 4, 657.50
10.....	SBI 4.....	1964-13RS.....	State P.	Cook.....	Joliet Road (US 66-SBI 4) from Wil- low Springs Road in Village of Coun- tryside northeasterly to 47th Street in Lyons..... (For balance of contract see Part B — Secondary — Urban — CH 165 — Section 1964-13RS — District 10)	4.42	.....	.....	40	e900	.....	134, 153.76 13, 237.88
DESIGN												
Primary highways, rural						254.64	.....	.....	.....	.....	.....	\$ 6, 499, 998.61
Continuous bituminous concrete surfacing.....						78.41	.....	.....	.....	.....	.....	1, 184, 560.80
Intermittent bituminous concrete surfacing.....						.....	40.12	.....	.....	.....	.....	2, 029, 709.71
Concrete base course widening.....						.....	9.46	.....	.....	.....	.....	313, 945.50
Bituminous base course widening.....						.....	.....	18.96	.....	.....	.....	4, 661, 135.60
Full-width concrete base course.....						.....	.....	2.67	.....	.....	.....	372, 536.60
Full-width flexible base course.....						.....	.....	.....	.....	28, 006	.....	540, 410.23
Concrete pavement patching.....						.....	.....	.....	.....	32, 139	.....	534, 511.70
Bituminous concrete pavement patching.....						.....	.....	.....	.....	.....	13	1, 501, 110.03
Bridge rehabilitation.....						.....	.....	.....	.....	.....	4	168, 320.33
Bridge widening.....						.....	.....	.....	.....	.....	.....	.....
Totals for primary highways, Part B—rural.....						333.05	49.58	21.63	.....	60, 145	17	\$17, 806, 239.11

PRIMARY HIGHWAY CONTRACTS AWARDED BY THE STATE ON URBAN TYPE WORK (EXCLUDING FEDERAL-AID INTERSTATE CONTRACTS)

Dis- trict	Route ¹	Section	Class ²	County	Location	Miles of Bitumi- nous Surface	Miles of Base Widen- ing	Miles of Full- width Base	Width in Feet	Pavement Patching (Square Yards)	Number of Bridges	Contract Price
1.....	SBI 59.....	110-VBR.....	FG.....	Cook.....	Railroad grade separation structure on Ill. 59 (SBI 59) over CMSt.P&P RR in Bartlett.....	.....	.....	.....	.....	.....	w1	\$76, 403.05 12, 754.94
1.....	SBI 18.....	(9Y, 10Y)RS-2.....	State P.	DuPage.....	US 34 (SBI 18) from Ill. 53 in Lisle to Ill. 83 in Clarendon Hills.....	0.16 6.69	.....	.....	24 40	 b2, 449	.....	348, 529.90 47, 112.00

DESIGN

1.....	SBI 47.....	108RS-1.....	State P. Kane.....	Ill. 47 (Main St.-SBI 47) from CB&Q RR in Sugar Grove southerly.....	0.26	.....	.....	.....	20	.....	b163	.....	11,988.45 3,228.00
1.....	SBI 18.....	13D-I-1.....	State P. Kendall.....	(For balance of contract see Part B — Secondary — Urban — District 1 — CH 4B — Section 28RS) Dual bridges on Ill. 47 (SBI 18) over Fox River in Yorkville.....	.....	.....	.....	.....	.....	.....	.....	w2	33,464.00
1.....	SBI 47.....	109RS-1.....	State P. Kendall.....	Ill. 47 (SBI 47) from 60 feet south of the Fox River Bridge in Yorkville south- erly.....	0.08	.....	.....	.....	56	.....	b143	.....	10,077.50 2,914.00
1.....	SBI 22.....	21-I-2, 21-I-1.....	State P. Lake.....	On left turn lanes of US 41 (SBI 22) with Kennedy Road and Westleigh Road in Lake Forest.....	0.31	.....	.....	.....	.....	.....	b400	.....	57,759.68 6,400.00
1.....	SBI 42.....	D-I-1.....	State P. Lake.....	Ill. 42 (SBI 42) about 0.25 mi. north of Greenwood Ave. in Waukegan.....	0.14	.....	.....	.....	24	.....	.....	.....	35,929.75
1.....	SBI 5.....	12RS-1.....	State P. McHenry.....	US 20 (SBI 5) in Marengo.....	1.01	.....	.....	.....	28	.....	b223	.....	50,755.51 4,407.00
1.....	SBI 4.....	(MX-MX Ext.)RS.....	State P. Will.....	Chicago Street (Alt. US 66-SBI 4) from Indiana Street to Des Plaines River in Joliet.....	0.26	.....	.....	.....	42, 48	.....	b153	.....	30,785.60 3,505.50
1.....	SBI 53.....	(536W)RS-1.....	State P. Will.....	Ninth Street (SBI 53-Ill. 7) between Hamilton and Lincoln Streets in Lockport.....	0.33	.....	.....	.....	40	.....	b319	.....	18,607.75 7,804.00
2.....	SBI 5.....	20-1.....	U.....	West Galena Ave. (US 20-SBI 5) in Freeport.....	0.60	.....	c0.60	.....	2@24 2@24	.....	.....	.....	22,939.20 186,476.77
2.....	FA 188.....	4.....	F.....	Non-Federal-aid portion of base wid- ening..... (For balance of contract see Part B — Primary — Rural — SBI 5 — Sec- tion 20-1 — District 2) US 51 (FA 188) between McDonald Road south of Roscoe and Harlem Road (CH 25).....	.....	.....	.....	.....	.....	.....	.....	.....	50.00
2.....	FA 188.....	4.....	F.....	Non-Federal-aid portion of dual base courses..... (For balance of contract see Part B — Primary — Rural — FA 188 — Sec- tions 4(B, B-1, B-2, B-3) — District 2) Bridges on Ill. 129 (FA 77) over Mazon River and Alton RR at Mazonia..... Bridge on Ill. 24 (SBI 8) over Sugar Creek at west limit of Watseka..... At intersection of Henderson Street with US 150 (SBI 80) in Galesburg...	0.75	.....	c0.75	2@24 2@24	.....	.....	.....	.....	48,774.00 183,769.85
3.....	FA 77.....	(91VB, 91B)-I.....	State P. Grundy.....	.....	.....	.....	.....	.....	.....	.....	.....	r2	783.50
3.....	SBI 8.....	20-B & C-I.....	State P. Iroquois.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	68,842.50
4.....	SBI 80.....	126I.....	State P. Knox.....	.....	0.04	.....	.....	.....	Var. Var.	.....	.....	r1	43,971.40
													3,908.50 25,599.65

TABLE 21—Continued
PART B.—Continued.

District	Route ¹	Section	Class ²	County	Location	Miles of Bituminous Surface	Miles of Base Widening	Miles of Full-width Base	Width in Feet	Pavement Patching (Square Yards)	Number of Bridges	Contract Price
4.....	SBI 24.....	10W.....	F.....	Tazewell.....	Ill. 29 (SBI 24) from Ill. 98 southerly to Coolidge Street in Pekin.....			c0.28	2@Var.			82,538.12
			State P.		Non-Federal-aid portion of contract... (For balance of contract see Part B — Primary — Rural — SBI 24 — Section 10W — District 4)							25,526.80
4.....	SBI 24.....	10RS.....	F.....	Tazewell.....	Ill. 29 (SBI 24) in northern portion of Pekin.....	0.28			2@24			16,264.60
			State P.		Non-Federal-aid portion of urban work.....							3,211.50
5.....	SBI 25.....	28Z-RS.....	U.....	Champaign.....	(For balance of contract see Part B — Primary — Rural — SBI 24 — Section 10RS — District 4)							
					University Ave. (SBI 25) between Rome Street and Race Street in Urbana.....	0.95	c0.95		2@22 2@7			69,226.25 376,578.70 6,110.00
5.....	SBI 121.....	144RS.....	State P.	Douglas.....	(For balance of contract see Part A — Primary — SBI 25 — Section 28Z-RS)							
					South Line Street (US 36-SBI 121) between Washington Street and Prairie Street in Tuscola.....	0.85			20			22,578.50 9,300.00
5.....	SBI 1.....	50Z(W, RS), 49Z-RS-1.....	F.....	Edgar.....	Central Ave. (US 150-SBI 1) between Jasper and Elliott Streets and Main Street (US 150) between Elliott Street and Twin Lakes Drive in Paris.....	2.15		c0.57	36, 50 Var.			79,230.00 280,437.15 20,295.00
			State P.		Non-Federal-aid portion of bituminous surfacing.....							18,872.50
					Non-Federal-aid portion of concrete base course.....					c1,155		7,748.15
6.....	SBI 121.....	134RS-2.....	State P.	Logan.....	Non-Federal-aid portion of pavement patching.....	0.72			18			1,760.00 22,073.30 4,425.00
					Fourth Street (SBI 121) in Latham...					c177		

DESIGN

	6	FA 142	1Z-RS	State P.	Mason	Dearborn Street (Ill. 97-FA 142) in Havana.	0.32				28		12, 908.60
	6	SBI 43, 120	(4Z, 101Z)RS	State P.	Mason	Chestnut Street (SBI 43, 120) from west of Mason City to 4th Street in Mason City	1.23	b0.25			24, 35 2@3		50, 678.45 24, 311.85
	7	SBI 142-A	101-I	State P.	Wayne	Ill. 15 (Main Street-SBI 142-A) in Wayne City	0.16	b0.16			24 2@3	r1	4, 279.40 44, 812.18
	8	FA 38	B-I-1	State P.	Calhoun-Greene	Bridge on Ill. 100 (FA 38) over Illinois River at Hardin							131, 522.90
	9	SBI 149	106RS-2	State P.	Franklin	Ill. 149 (SBI 149) from near Joiner Street in West Frankfort easterly	2.31				24, 40	e310	90, 506.05 6, 600.00
	9	SBI 34	7(W, RS-2, BR)	F	Pope	At bridge on Ill. 146 (SBI 34) over Lusk Creek at Coleonda	0.38	c0.38			24 2@3		20, 312.40 57, 881.75
				State P.		Non-Federal-aid portion of bituminous surfacing							291.20
						Non-Federal-aid portion of base widening							2, 713.25
	9	FA 165	(116, 13G)RS-1	F	Pulaski	(For balance of contract see Part A — Primary — SBI 34 — Section 7(W, RS-2, BR) On Washington Street (Ill. 169-FA 165) in Karnak	0.64	c0.64			24 2@3		21, 618.85 94, 603.95
	10	Various	1964-106RS	State P.	Cook	Non-Federal-aid portion of base widening Golf Road between east River Road and McCormick Blvd., Caldwell Ave. between Touhy Ave. and Waukegan Rd., and Touhy Ave. between Le Claire Ave. and Caldwell Ave. in Glenview, Golf, Morton Grove, Evanston, Chicago, and Lincolnwood							306.00
	10	FA 42	1964-16RS	State P.	Cook	Harlem Ave. (FA 42) between Devon Ave. and Touhy Ave.	1.40				40	e1, 510	16, 399.50 32, 465.00
	10	FA 42	1964-17RS	State P.	Cook	(For balance of contract see Part B — Secondary — Urban — CHS 135 — Section 1964-16RS — District 10) Harlem Ave. (Ill. 42A-FA 42) from Riverside Drive to Stanley Ave. in Berwyn and Riverside	1.04				40	e400	33, 477.52 8, 440.00
	10	FA 42	1964-27	State P.	Cook	(For balance of contract see Part B — Secondary — Urban — CHS 33 — Section 1964-17RS — District 10) At intersection of Harlem Ave. (Ill. 42A-FA 42) with Grand Ave. in Elmwood Park and Chicago	0.61				44		53, 098.65
							0.23				Var.		44, 419.00

TABLE 21—Continued
PART B.—Continued.

Dis- trict	Route ¹	Section	Class ²	County	Location	Miles of Bitumi- nous Surface	Miles of Base Widen- ing	Miles of Full- width Base	Width in Feet	Pavement Patching (Square Yards)	Number of Bridges	Contract Price
10	SBI 19	1964-14RS	State P.	Cook	Northwest Highway (US 14-SBI 19) between Williams and Waterman Avenues in Arlington Heights.	3.20			20			593,097.12
10	SBI 21	1964-19RS	State P.	Cook	Milwaukee Ave. (Ill. 21-SBI 21) from Waukegan Road southeasterly to Imlay Street in Niles.	1.11			42	c200		27,983.10 4,000.00
10	SBI 46	462-D-R	State P.	Cook	On LaGrange Road (SBI 46) over Sanitary and Ship Canal, I&M Canal, and GM&O RR in Willow Springs.						71	251,988.15
10	SBI 46	464-Y-I	State P.	Cook	Mannheim Road and Lake Street (SBI 46-US 20) in Stone Park and Melrose Park.	0.38		0.38	40 36			48,997.50 400,875.57 5,000.00
10	SBI 49, 51	1964-25R	State P.	Cook	Ashland Ave. (SBI 49) under B&O RR in Dixmoor.	0.06		0.06	2@20 2@20			1,224.00 34,348.20
					96th Street (SBI 51) under Wabash RR and Southwest Highway in Orland Park.	0.06		0.06	44 44			1,224.00 34,348.20
10	SBI 52	1964-12(W-RS)	State P.	Cook	(For balance of contract see Part B — Secondary — Urban — CHS 189 — Section 1964-25R — District 10) Vincennes Ave. (SBI 52) from Glenwood Road to 183rd Street in Chicago Heights.	1.50	b1.50		24 2@3			11,898.77 50,612.54
10	SBI 52	1964-12(W, RS-1)	State P.	Cook	(For balance of contract see Part B — Secondary — Urban — CH 60 — District 10 — Section 1964-12(W, RS) Vincennes Ave. (SBI 52) between 183rd Street and IC RR in Thornton.	0.50	b0.50		24 2@3			7,541.12 14,623.20 2,600.00
10	SBI 60	ZRY-Ext., ZR-1-W	U	Cook	Rand Road (US 12-SBI 60) between Dundee Road and Euclid Ave. north and east of Arlington Heights.		4.52		2@6			798,818.50

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10.....SBI 63, 19..1964-26R.....State P. Cook.....Higgins Road (Ill. 72) and Northwest Expressway (US 14) (SBI 63 and 19) in DesPlaines.....	0.17		0.17	2@22 2@21	c228		5, 105.40 51, 059.35 4, 560.00
Primary highways, urban							
Continuous bituminous concrete surfacing.....	29.48	.....	.....	.....	.....	.....	\$1, 912, 929.16
Intermittent bituminous concrete surfacing.....	1.40	.....	.....	.....	.....	.....	16, 399.50
Concrete base course widening.....	.....	7.09	.....	.....	.....	.....	1, 517, 428.92
Bituminous concrete base course widening.....	.....	2.41	.....	.....	.....	.....	134, 359.77
Full-width concrete base course.....	.....	.....	2.31	.....	.....	.....	1, 127, 034.54
Concrete pavement patching.....	.....	.....	.....	.....	5, 160	.....	105, 555.00
Bituminous pavement patching.....	.....	.....	.....	.....	3, 850	.....	75, 370.50
Bridge rehabilitation.....	.....	.....	.....	.....	.....	5	496, 324.95
Bridge widening.....	.....	.....	.....	.....	.....	3	109, 867.05
Totals for primary highways, Part B—urban.....	30.88	9.50	2.31	.....	9, 010	8	\$5, 495, 269.39
Totals for primary highways in Part B.....	363.93	59.08	23.94	.....	69, 155	25	\$23, 301, 508.50

SECONDARY ROAD CONTRACTS AWARDED BY THE STATE ON RURAL TYPE WORK.

Dis- trict	Route ¹	Section	Class ²	County	Location	Miles of Bitumi- nous Surface	Miles of Base Widen- ing	Miles of Full- width Base	Width in Feet	Pavement Patching (Square Yards)	Number of Bridges	Contract Price
1.....	CHS 6.....	29(W, RS)	State S.	DuPage.....	Batavia Road (CHS 6) between But- terfield Road and Ill. 59 near War- renville.....	1.14	b1.14	.....	24 2@3	.....	.....	\$34,140.54 53,409.30 16,250.00
1.....	CH 2, 11...	32RS-1.....	State S.	Kane.....	County Highway 2 and 11 (French Road) between Burlington and Hampshire.....	2.82	.....	.....	18, 54	b2,107	.....	72,373.49 38,703.00
1.....	CH 5-A.....	35RS.....	State S.	Kane.....	Russel Road (CH 5-A) between Plato Center and Udina northwest of El- gin.....	3.06	.....	.....	18	b3,420	.....	54,592.00 58,593.00
1.....	CHS 21	54-RS.....	State S.	Lake.....	Stocum Lake Road (CHS 21) between US 12 and Rand Road west of Wau- conda.....	0.58	.....	.....	18, 48	b115	.....	23,620.20 2,284.00
1.....	CH 22.....	2RS.....	State S.	McHenry.....	(For balance of contract see Part A — Primary — FA 60 — Section OR-I — Lake County) County Highway 22 about 2 mi. north of McHenry.....	1.72	.....	.....	18, 20	b1,062	.....	51,186.96 18,969.75

TABLE 21—Continued
PART B.—Continued.

Dis- trict	Route ¹	Section	Class ²	County	Location	Miles of Bitumi- nous Surface	Miles of Base Widen- ing	Miles of Full- width Base	Width in Feet	Pavement Patching (Square Yards)	Number of Bridges	Contract Price
7....	CHS 11, 10, 8.....	Dist. 7 Gravel or Crushed Stone Base Course '64-1.....	State S.	Coles-Cumberland.	County Highway 11, 10 and 8 east of Aetna and west of Trilla.....	.....	.....	3.09	9	.....	.....	23, 548.10
9....	CH 14.....	Q-RS.....	State S.	Williamson.....	County Highway 14 north of Marion. (For balance of contract see Part B — Primary — Rural — Jackson Coun- ty — SBI 13 — Section 5RS — Dis- trict 9)	1.25	.....	.....	19	.....	.....	32, 966.44
Secondary roads, rural												
					Continuous bituminous concrete surfacing.....	10.57	1.14	.....	.....	.....	.....	\$268, 879.63
					Bituminous concrete base widening.	.....	.....	.....	.....	.....	.....	53, 409.30
					Full-width flexible base course.....	.....	.....	3.09	.....	.....	.....	23, 548.10
					Bituminous pavement patching.....	.....	.....	.....	.....	7, 569	.....	134, 799.75
					Totals for secondary roads— rural.....	10.57	1.14	3.09	.....	7, 569	.....	\$480, 636.78

DESIGN

SECONDARY ROAD CONTRACTS AWARDED BY THE STATE ON URBAN TYPE WORK.

Dis- trict	Route ¹	Section	Class ²	County	Location	Miles of Bitumi- nous Surface	Miles of Base Widen- ing	Miles of Full- width Base	Width in Feet	Pavement Patching (Square Yards)	Number of Bridges	Contract Price
1....	CH 4B.....	28RS.....	State S.	Kane.....	Main Street (County Highway 4B) from CB&Q RR in Sugar Grove northerly.....	0.46	.....	.....	18	 b305	.....	\$11, 967.00 6, 055.00
1....	FAS 8.....	38RS.....	State S.	Lake.....	(For balance of contract see Part B — Primary — Urban — District 1 — SBI 47 — Section 108RS-1) Deerfield Road (FAS 8-CH 11) be- ween US 45 and Saunders Road in Riverwoods.....	1.81	.....	.....	18	 b423	.....	33, 474.30 7, 319.00
1....	CH 10-A...	N-RS-1.....	State S.	Lake.....	Ill. 59 (County Highway 10-A) in Bar- rington.....	0.43	.....	.....	49	.....	.....	5, 607.26
2....	CH 21.....	21RS.....	State S.	Rock Island.....	Coaltown Road (County Highway 21) from 28th Street to 3rd Ave. in Mo- line.....	2.25	.....	.....	22	 b60	.....	40, 837.03 1, 170.00

DESIGN

5.....	FAS 1548...	3.....	US.....	Macon.....	Garfield Ave. (FAS 1548) between Woodford Street and 27th Street in Decatur.....	1.10	.....	.....	.....	24	.....	68,550.00
10.....	Various.....	1964-105.....	State S.....	State S.....	Non-Federal-aid portion of flexible base course.....	.....	.....	.....	.....	1.10	.....	343,284.07
10.....	CH 7.....	1964-20RS.....	State S.....	Cook.....	Ashtland Ave. near Vermont Street in Calumet Park; and Ashland Ave. south of Cermak Road in Chicago; Crawford Ave. near Brennan Highway and 159th Street in Markham; 87th Street near Francisco Ave. and California Ave. in Evergreen Park; and Archer Ave. at IHB RR in Chicago.....	10.37	.....	.....	.....	Var.	.....	2,166.52
10.....	CHS 33.....	1964-17RS.....	State S.....	Cook.....	River Road (County Highway 7) between Montrose Ave. in Schiller Park and Bryn Mawr Ave. in Rosemont.....	1.48	.....	.....	.....	40	.....	45,531.93
10.....	CH 041.....	1964-21RS.....	State S.....	Cook.....	First Ave. (CHS 33) from Roosevelt Road to Forest Ave. in Riverside and North Riverside.....	2.12	.....	.....	.....	40	.....	73,575.20
10.....	CH 60.....	1964-12(W, RS).....	State S.....	Cook.....	(For balance of contract see Part B — Primary — Urban — FA 42 — Section 1964-17RS — District 10) Narragansett Ave. (County Highway 041) from North Ave. to Belmont Ave. in Chicago.....	1.89	.....	.....	.....	40	.....	44,907.32
10.....	CH 062.....	1964-22RS.....	State S.....	Cook.....	Glenwood Road (County Highway 60) from Halsted Street to Vincennes Ave. in Chicago Heights.....	1.36	.....	.....	.....	24	.....	10,788.22
10.....	CH 123.....	3228B-15d-Z-1.....	State S.....	Cook.....	(For balance of contract see Part B — Primary — Urban — SBI 52 — District 10 — Section 1964-12(W, RS) Indiana Ave. (County Highway 062) between 130th and 136th Streets in Chicago.....	.....	.....	.....	.....	2@3	.....	45,888.71
10.....	CH 128.....	3072A-15d-Z-Y.....	State S.....	Cook.....	Dempster Street (CH 123-III. 58) between Edens Expressway interchange and LeClaire Ave. in Skokie.....	0.70	.....	.....	.....	40	.....	29,146.20
10.....	CHS 135.....	1964-16RS.....	State S.....	Cook.....	Harlem Ave., Waukegan Road, and Oakton Street (CH 128) in and near Niles.....	0.34	.....	.....	.....	Var.	.....	36,058.30
10.....	CHS 135.....	1964-16RS.....	State S.....	Cook.....	Devon Ave. (CHS 135) between Cicero Ave. and Kenton Ave. in Chicago.....	1.82	.....	.....	.....	2@24	.....	153,933.95
10.....	CHS 135.....	1964-16RS.....	State S.....	Cook.....	(For balance of contract see Part B — Primary — Urban — FA 42 — Section 1964-16RS — District 10).....	0.27	.....	.....	.....	Var.	.....	86,247.00
10.....	CHS 135.....	1964-16RS.....	State S.....	Cook.....	(For balance of contract see Part B — Primary — Urban — FA 42 — Section 1964-16RS — District 10).....	0.27	.....	.....	.....	2@20	.....	588,180.24
10.....	CHS 135.....	1964-16RS.....	State S.....	Cook.....	(For balance of contract see Part B — Primary — Urban — FA 42 — Section 1964-16RS — District 10).....	0.27	.....	.....	.....	2@20	.....	8,772.43
10.....	CHS 135.....	1964-16RS.....	State S.....	Cook.....	(For balance of contract see Part B — Primary — Urban — FA 42 — Section 1964-16RS — District 10).....	0.27	.....	.....	.....	2@20	.....	2,110.00

TABLE 24—Continued
PART B.—Concluded.

DESIGN												
District	Route ¹	Section	Class ²	County	Location	Miles of Bituminous Surface	Miles of Base Widening	Miles of Full-width Base	Width in Feet	Pavement Patching (Square Yards)	Number of Bridges	Contract Price
10	CHS 139, 141.....	1964-24R.....	State S.	Cook.....	Lawrence Ave. and Irving Park Road (CHS 139, 141) at MSt. P&S STE M RR in Schiller Park.....	0.15		c0.15	43 43	 c48	.....	5,976.66 62,642.00 816.00
10	CH 165.....	1964-23RS.....	State S.	Cook.....	47th Street (County Highway 165) between Joliet Road and Harlem Ave. in Lyons..... (For balance of contract see Part B — Primary — Rural — SBI 4 — Section 1964-13RS — District 10)	0.96			40	 c100	.....	29,137.48 1,470.88
10	CHS 189.....	1964-25R.....	State S.	Cook.....	Sibley Blvd. (CHS 189) under IC RR in Harvey..... (For balance of contract see Part B — Primary — Urban — SBI 49, 51 — Section 1964-25R — District 10)	0.40		c0.40	2@19 2@18	.....	.....	8,160.00 15,554.80
Secondary roads, urban												
Continuous bituminous concrete surfacing.....						17.54						\$538,736.33
Intermittent bituminous concrete surfacing.....						0.37						26,136.40
Concrete base widening.....							0.34					153,933.95
Bituminous concrete base widening							1.36					45,888.71
Full-width flexible base course								1.10				345,450.59
Full-width concrete base course								2.37				666,377.04
Concrete pavement patching.....										1,543		29,649.38
Bituminous pavement patching										788		14,544.00
Totals for secondary roads—urban.....						17.91	1.70	3.47		2,331		\$ 1,820,716.40
Totals for secondary roads in Part B.....						28.48	2.84	6.56		9,900		\$ 2,301,353.18
Total all work, Part B.....						394.32	61.92	30.50		88,195	29	\$28,667,449.15

PART C.—CONTRACTED EXTRAORDINARY MAINTENANCE WORK ON FEDERAL-AID INTERSTATE AND OTHER PRIMARY HIGHWAYS AND SECONDARY ROADS. (EXCLUDING FEDERAL-AID SECONDARY CONTRACTS)

FEDERAL-AID INTERSTATE HIGHWAY MAINTENANCE CONTRACTS AWARDED BY THE STATE.

Route ¹	Section	Class ²	County	Location	Length in Miles	Type of Work ³	Width in Feet	Contract Price
Various.....	Dist. 10 Painting '64-1.....	State I...	Cook.....	On various expressways at various locations in Cook County.....		Cleaning & painting 7 RR gr. sep. structs.....		\$11,720.00
FAI 90.....	10X-BR-1964-4.....	State I...	Cook.....	(For balance of contract see Part C—Primary—SBI 63, 60, 46—Dist. 10 Painting '64-1 and Part C—Secondary—SA 048, 67—Dist. 10 Painting '64-1) On Congress Street Expressway over Addison Creek between Bellwood and Westchester.....		Cleaning & painting 9 hwy. gr. sep. structs.....		25,007.00
FAI 90.....	Dist. 10 Expressway Cultivating Maintenance '64-X110..	State I...	Cook-Lake..	Along Edens Expressway (FAI 90) from Montrose Ave. northerly to Clavey Road.....	15.00	Bridge deck repair.....		13,459.50
FAI 90.....	Dist. 10 Expressway Cultivating Maintenance '64-X210..	State I...	Cook.....	Along Calumet Expressway (FAI 90) from Dolton Ave. southerly to Sauk Trail and along Kingery Expressway from Calumet Expressway easterly to Indiana State Line.....	14.00	Cultivating shrub beds.....		4,023.00
FAI 90, 80...	Dist. 10 Expressway Cultivating Maintenance '64-X210..	State I...	Cook.....	Along Calumet Expressway (FAI 90) from Dolton Ave. to Sauk Trail and on Kingery Expressway (FAI 80) from Calumet Expressway to Illinois-Indiana State Line.....	14.00	Cultivating shrub beds.....		2,100.00
FAI 90.....	Dist. 10 Expressway Cultivating Maintenance '64-X410..	State I...	Cook-DuPage.....	Along Congress Street Expressway (FAI 90) from Wells Street Plaza to C&NW RR.....	13.00	Cultivating shrub beds.....		2,500.00
FAI 90.....	Dist. 10 Expressway Cultivating Maintenance '64-X410..	State I...	Cook-DuPage.....	Along Congress Street Expressway (FAI 90) from Wells Street Plaza westerly to CGW RR.....	13.00	Cultivating shrub beds.....		8,100.00
FAI 90.....	Dist. 10 Expressway Cultivating Maintenance '64-X610..	State I...	Cook.....	Along Dan Ryan Expressway (FAI 90) from 63rd Street southerly to Calumet Expressway thence easterly to Cottage Grove Ave.....	5.50	Cultivating shrub beds.....		6,570.00
								9,177.84

TABLE 21--Continued
PART C.--Continued.

Route ¹	Section	Class ²	County	Location	Length in Miles	Type of Work ³	Width in Feet	Contract Price
FAI 90.....	Dist. 10 Expressway Mowing Maintenance '64-X210...	State I...	Cook.....	Along Calumet and South Route Expressway between 167th and 110th Streets.....	10.20	Roadside mowing.....		16,461.00
FAI 90.....	Dist. 10 Expressway Mowing Maintenance '64-X210...	State I...	Cook.....	Along Calumet and South Expressway between 110th and 167th Streets.....	10.20	Roadside mowing.....		23,157.50
FAI 90.....	Dist. 10 Expressway Mowing Maintenance '64-X310...	State I...	Cook-Will.....	Along Calumet-Kingery Expressway south of Chicago.....	16.00	Roadside mowing.....		27,419.66
FAI 90.....	Dist. 10 Expressway Mowing Maintenance '64-X310...	State I...	Cook-Will.....	Along Calumet-Kingery Expressway (FAI 90) south of Chicago.....	16.00	Roadside mowing.....		35,000.55
FAI 90.....	Dist. 10 Expressway Mowing Maintenance '64-X410...	State I...	Cook-DuPage.....	Along Congress Street Expressway (FAI 90) from Halsted Street to Wolf Road, along Roosevelt Road Extension and at York Road interchange.....	18.00	Roadside mowing.....		64,459.10
FAI 90.....	Dist. 10 Expressway Mowing Maintenance '64-X610...	State I...	Cook.....	Along Dan Ryan Expressway (FAI 90) between 110th Street and Ogden Ave. in Chicago.....	14.50	Roadside mowing.....		53,700.00
FAI 90.....	Dist. 10 Expressway Tree Spraying '64-X210.....	State I...	Cook.....	Along Calumet and Kingery Expressways in southern portion of Cook County.....	16.00	Tree spraying.....		3,300.00
FAI 90, 94...	Dist. 10 Expressway Tree Spraying '64-X410.....	State I...	Cook.....	Along Congress Street Expressway (FAI 90) from Wells Street Plaza westerly.....	14.00	Tree spraying.....		3,668.50
FAI 94.....	Dist. 10 Expressway Cultivating Maintenance '64-X610..	State I...	Cook.....	Along Dan Ryan Expressway (FAI 90, 94) from 63rd Street to Calumet Expressway thence easterly to Cottage Grove Ave.....	5.50	Cultivating shrub beds.....		13,111.20
FAI 94.....	Dist. 10 Expressway Cultivating Maintenance '64-X110..	State I...	Cook-Lake.....	Along Edens Expressway (FAI 94) from Montrose Ave. northerly to Clavey Road.....	15.00	Cultivating shrub beds.....		4,500.00
FAI 94.....	Dist. 10 Expressway Cultivating Maintenance '64-X510..	State I...	Cook.....	Along J. F. Kennedy Expressway (FAI 94) from Grand Ave. to Mannheim Rd. and on Ohio feeder from Erie Street to Orleans Street.....	15.50	Cultivating shrub beds.....		34,075.00

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FAI 94.....	Dist. 10 Expressway Mowing Mainte- nance '64-X110...	State I...	Cook-Lake.....	Along Edens Expressway (FAI 94) from Wilson Ave. to Clavey Road.....	15.00	Roadside mowing.....	24,247.23
FAI 94.....	Dist. 10 Expressway Mowing Mainte- nance '64-X510...	State I...	Cook.....	Along J. F. Kennedy Expressway (FAI 94) between Ogden Ave. and relocated Mannheim Road.....	15.00	Roadside mowing.....	48,609.75
FAI 94.....	Dist. 10 Expressway Tree Spraying '64-X110.....	State I...	Cook-Lake.....	Along Edens Expressway (FAI 94).....	15.00	Tree spraying.....	3,407.80
FAI 94.....	Dist. 10 Expressway Tree Spraying '64-X510.....	State I...	Cook.....	Along J. F. Kennedy Expressway (FAI 94) between Van Buren Street and relocated Mannheim Road and on Mannheim Road between Higgins Road and Irving Park Road.....	15.50	Tree Spraying.....	4,190.94
FAI 94.....	BR-1964-1X.....	State I...	Cook.....	On Kennedy Expressway (FAI 94) at North Ave., Wabansia-Cortland Ave., Logan Blvd., Belmont Ave., Damen Ave, Irving Park Road, and Pulas- ki Road and on Edens Expressway (FAI 94) at Simpson St. and at CNS & Milwaukee and C&NW Railroads all in Chicago.....		7 bridge repairs.....	116,363.30
FAI 80.....	99-3P.....	Int.....	Will.....	On FAI 80 over DesPlaines River in Joliet.....		Cleaning and painting dual bridges.....	71,265.00
		UI.....					6,110.00
Total Federal-aid interstate highway maintenance contracts awarded by the State in Part C.....							\$635,703.87

PRIMARY HIGHWAY MAINTENANCE CONTRACTS AWARDED BY THE STATE (EXCLUDING FEDERAL-AID INTERSTATE CONTRACTS)

Route ¹	Section	Class ²	County	Location	Length in Miles	Type of Work ³	Width in Feet	Contract Price
Various.....	Dist. 3 Painting '64-1.....	State P...	Bureau-Iroquois- Kankakee.....	On various routes at six (6) locations.....		Cleaning & painting 6 bridges.		\$18,383.00
SBI 63, 60, 46.	Dist. 10 Painting '64-1.....	State P...	Cook.....	On Higgins Road (SBI 63-Ill. 72) over EJ&E RR 0.5 mi. west of Ill. 59.....		Cleaning & painting RR gr. sep. struct.....		1,098.00
				On Peterson Ave. (SBI 60-US 14) over North Shore Channel.....		Cleaning & painting bridge...		2,197.00
				On Mannheim Road (SBI 46-US 45) over CMStP&P RR in Franklin Park.....		Cleaning & painting RR gr. sep. struct.....		21,000.00
(For balance of Contract see Part C—Interstate— Various Routes—Dist. 10 Painting '64-1 and Part C—Secondary—SA 048, 67—Dist. 10 Painting '64-1)								

TABLE 21—Continued
PART C.—Continued.

Route ¹	Section	Class ²	County	Location	Length in Miles	Type of Work ³	Width in Feet	Contract Price
Various.....	Dist. 10 Bridge Repairs '64-2.....	State P...	Cook.....	At the following four (4) locations: On Ogden Ave. over IHB RR in LaGrange, On 31st Street over Salt Creek in Brookfield, On First Ave. over Salt Creek in Riverside, and On Cicero Ave. over Calumet-Sag Channel in Worth Township.....		Bridge repairs.....		50,738.20
Various.....	Dist. 1 Mowing Maintenance '64-3.....	State P...	Cook-DuPage- Kendall-Will.....	Along various routes.....	79.90	Roadside mowing.....		9,250.35
SBI 1.....	Dist. 10 Bridge Repairs '64-5.....	State P...	Cook.....	RR grade separation structures on Halsted Street (SBI 1) over IHB RR south of 138th Street and over B&OCT RR north of Blue Island Road in Riverdale.....		2 RR gr. sep. struct. repairs.....		157,544.25
Various.....	Dist. 10 Bridge Repairs '64-7.....	State P...	Cook.....	Bridge on Higgins Road over DesPlaines River in Park Ridge and Bridge on Rand Road over Des- Plaines River in DesPlaines.....		2 bridge repairs.....		20,716.30
SBI 50.....	Dist. 10 Bridge Repairs '64-30.....	State P...	Cook.....	Illinois Central Railroad subway structure over Cicero Ave. (SBI 50) in Cicero.....		Subway structure repair.....		23,056.00
Various.....	Dist. 10 Diseased Tree Removal '64-31.....	State P...	Cook.....	Right-of-way area of various routes.....		Removal of diseased trees.....		12,000.00
Various.....	Dist. 10 Mowing Maintenance '64-100.....	State P...	Cook.....	Along various routes.....	408.46	Roadside mowing.....		32,486.40
Various.....	Dist. 10 Mowing Maintenance '64-101.....	State P...	Cook.....	Along various routes in western portion of Cook County.....	129.25	Roadside mowing.....		22,110.40
Various.....	Dist. 10 Mowing Maintenance '64-102.....	State P...	Cook.....	Along various routes in southern portion of Cook County.....	112.20	Roadside mowing.....		19,908.90
Various.....	Dist. 10 Weed Con- trol Spraying '64-103.....	State P...	Cook-DuPage- Kane.....	Along various routes.....	269.10	Weed control spraying.....		4,681.41
Various.....	Dist. 10 Weed Con- trol Spraying '64-104.....	State P...	Cook.....	Along various routes in southern portion of Cook County.....	250.00	Weed control spraying.....		4,165.71

DESIGN

DESIGN

Various	Dist. 1 Painting '64-1	State P...	DuPage-Lake-McHenry	On various routes at five (5) locations		Cleaning & painting bridges	8,990.00
Various	Dist. 1 Mowing Maintenance '64-2	State P...	DuPage-Will-Cook-Kane	Along various routes	97.60	Roadside mowing	17,028.90
SBI 9	24C-I	State P...	Hancock	Bridge on US 136 (SBI 9) over east fork of LaMoine River about 3.5 mi. southeast of Joetta		Bridge repair	16,907.10
SBI 64	Dist. 1 Curb Construction '64-1	State P...	Kane	On 0.39 mi. of Ill. 64 (SBI 64) west of St. Charles and on 0.22 mi. of McLean Blvd. southwest of Elgin		Intermittent curbing constr.	15,541.50
Various	Dist. 1 Mowing Maintenance '64-4	State P...	Kendall-Will	Along various routes	65.58	Roadside mowing	20,045.10
Various	Dist. 1 Mowing Maintenance '64-1	State P...	Lake	Along various routes in Lake County	176.20	Roadside mowing	34,234.20
SBI 1	16BR	F	Lawrence	On Ill. 1 (SBI 1) over Embarrass River Overflow about 1 and 1.5 mi. north of Lawrenceville respectively		Rehabilitation of 2 bridge superstructures	431,465.02
SBI 1	17BR	F	Lawrence	On Ill. 1 (SBI 1) over Brushy Creek west of Pinkstaff		Bridge deck modified	98,470.55
SBI 95	122VB-I	State P...	McDonough	Railroad grade separation structure on Ill. 95 (SBI 95) over CB&Q RR about 1 mi. west of New Philadelphia		RR gr. sep. struct. repair	33,545.30
BR US 66	Dist. 3 Bridge Repairs '64-2	State P...	McLean	Railroad grade separation structure on Main Street (BR US 66) over NYC RR in Bloomington		RR gr. sep. struct. repair	17,113.80
FA 172	14HB-I	State P...	Peoria	Highway grade separation structure on US 150 (FA 172) over Adams Street in Peoria		Hvy. gr. sep. struct. repair	23,181.20
FA 172	15B-I	State P...	Peoria-Tazewell	McClugage Bridge on US 150 (FA 172) over Illinois River north of Peoria		Bridge deck repair	149,635.46
SBI 9	46-I	State P...	Peoria	US 24 (SBI 9) about 1 mi. west of Pekin	0.10	Pavement repair	10,460.46
SBI 29	5B-I	State P...	Peoria	Bridge on Ill. 29 (SBI 29) over Senachwine about 1 mi. north of Chillicothe		Bridge repair	42,965.60
FA 68	421-B-I	State P...	St. Clair	Bridge on Ill. 460 (FA 68) over Kaskaskia River about 0.25 mi. east of Fayetteville		Bridge repair	48,618.25
FA 10	13VP	FC	Tazewell	On Cedar Street extension (FA 10) over P&PU RR Yards, NYC&St.L. RR, and Caterpillar Access Road in East Peoria		Cleaning & painting RR gr. sep. struct.	13,586.87
SBI 121	104-VB-I	State P...	Tazewell	Railroad grade separation structure on US 150 (SBI 121) over TP&W RR and Farm Creek in East Peoria		RR gr. sep. struct. repair	90,995.55
Various	Dist. 2 Weed Control Spraying '64-1	State P...	Various	Along various routes	251.00	Weed control spraying	3,272.86
Various	Dist. 2 Weed Control Spraying '64-2	State P...	Various	Along various routes	355.90	Weed control spraying	4,538.18
Various	Dist. 4 Weed Control Spraying '64-1	State P...	Various	Along various routes in Fulton, Hancock, Henderson, Henry, Knox, McDonough, Mercer, Peoria, Schuyler, and Warren Counties	312.45	Weed control spraying	4,858.65
Various	Dist. 5 Weed Control Spraying '64-1	State P...	Various	Along various routes throughout District 5	1,025.00	Weed control spraying	14,318.78
Various	Dist. 6 Weed Control Spraying '64-1	State P...	Various	Along various routes in various counties	482.50	Weed control spraying	5,857.95

TABLE 21—Continued
PART C.—Concluded.

Route ¹	Section	Class ²	County	Location	Length in Miles	Type of Work ³	Width in Feet	Contract Price	DESIGN
Various.....	Dist. 7 Weed Con- trol Spraying '64-1	State P...	Various.....	Along various routes throughout District 7.....	361.00	Weed control spraying.....		4, 821.85	
Various.....	Dist. 8 Weed Con- trol Spraying '64-1	State P...	Various.....	Along various routes throughout District 8.....	477.19	Weed control spraying.....		10, 672.38	
Various.....	Dist. 9 Weed Con- trol Spraying '64-1	State P...	Various.....	Along various routes throughout District 9.....	518.00	Weed control spraying.....		7, 749.90	
Various.....	Dist. 2 Painting '64-1.....	State P...	Various.....	On various routes at nineteen (19) locations in Bu- reau, Carroll, Jo Daviess, Lee, Stephenson, White- side, and Winnebago Counties.....					
Various.....	Dist. 4 Painting '64-1.....	State P...	Various.....	On various routes in Mercer, Henderson, Hancock, and Knox Counties.....		Cleaning & painting bridges..		39, 802.00	
Various.....	Dist. 5 Painting '64-1.....	State P...	Various.....	On various routes and locations in Champaign, Coles, Douglas, Macon, Piatt, and Vermilion Counties.....		Cleaning & painting 12 bridges		23, 741.00	
Various.....	Dist. 6 Painting '64-1.....	State P...	Various.....	On various routes in Adams, Schuyler, Fulton, Tazewell, Logan, and Sangamon Counties.....		Cleaning & painting 11 bridges		9, 655.00	
Various.....	Dist. 7 and 9 Painting '64-1.....	State P...	Various.....	On various routes in Crawford, Edwards, Franklin, Johnson, Lawrence, Wabash, and White Counties..		Cleaning & painting 9 bridges		11, 379.60	
Various.....	Dist. 8 Painting '64-1.....	State P...	Various.....	On various routes in Jersey and Madison Counties..		Cleaning & painting 9 bridges		15, 928.00	
Various.....	Dist. 1 Mowing Maintenance '64-5	State P...	Will.....	Along various routes.....	47.79	Cleaning & painting 4 bridges		14, 763.00	
						Roadside mowing.....		19, 767.60	
Total primary highway maintenance contracts awarded by the State (excluding Federal-aid interstate contracts) in Part C.....								\$1, 663, 247.53	

SECONDARY ROAD MAINTENANCE CONTRACTS AWARDED BY THE STATE.

Route ¹	Section	Class ²	County	Location	Length in Miles	Type of Work ³	Width in Feet	Contract Price
SA 048, 67....	Dist. 10 Painting '64-1.....	State S....	Cook.....	On Lincoln Ave. (SA 048-US 14) over North Shore Channel..... On 131st Street (SA 67) over Wabash RR near South- west Highway..... (For balance of contract see Part C—Interstate— Various Routes—Dist. 10 Painting '64-1 and Part C—Primary—SBI 63, 60, 46—Dist. 10 Painting '64- 1)	..... ..... .....	Cleaning & painting bridge... Cleaning & painting RR gr. sep. struct.....	..... ..... .....	\$3,662.00 1,098.00
CHS 039.....	Dist. 10 Bridge Repairs '64-3.....	State S....	Cook.....	Railroad grade separation structure on County Highway 039 over IHB RR in Bedford Park.....	.....	RR gr. sep. struct. repair.....	.....	18,655.50
Various.....	Dist. 10 Bridge Repairs '64-4.....	State S....	Cook.....	On Lake Street over DesPlaines River east of May- wood and on Charles Road over Addison Creek in Bellwood.....	.....	Two bridge repairs.....	.....	18,312.90
CH 80.....	Dist. 10 Bridge Repairs '64-6.....	State S....	Cook.....	31st Street bridge over DesPlaines River in Proviso Township and 31st Street bridge over Salt Creek in Riverside Township.....	.....	2 bridge repairs.....	.....	22,845.35
Various.....	Dist. 10 Bridge Repairs '64-9.....	State S....	Cook.....	Bridge on Sheridan Road between Hawthorn and South Avenues in Glencoe and bridge on Willow Road over DesPlaines River east of US 45.....	.....	2 bridge repairs.....	.....	19,360.00
Total secondary road maintenance contracts awarded by the State in Part C.....								\$83,933.75
Total, Part C.....								\$2,382,885.15

TABLE 21—Continued
PART D.—DETAILED TABULATION OF STATE DAY LABOR CONSTRUCTION AND REHABILITATION CONTRACTS
AWARDED DIRECTLY BY THE STATE TO STATE DAY LABOR SECTION OF THE BUREAU OF MAINTENANCE

STATE DAY LABOR CONTRACTS AWARDED ON FEDERAL-AID INTERSTATE HIGHWAYS							DESIGN	
Route ¹	Section	Class ²	County	Location	Length in Miles	Type of Work ³	Width in Feet	Contract Price
FAI 55.....	(22-1HB-4)LS.....	DL-C-I..	DuPage.....	At interchange of US 66 (FAI 55) with County Highway 15 (Cass Ave.) north of Argonne National Laboratory.....	0.87	Landscaping & erosion correction.....		\$14,230.10
FAI 70.....	25-3AC.....	DL-C-I..	Effingham.....	Frontage Road "R" in southeast quadrant of Fayette Ave. Interchange west of Effingham.....	0.35	Flexible base with bit. surf. treat.....	22	22,507.50
FAI 55.....	32-1HBK-I.....	DL-C-I..	Grundy-Will.....	Highway grade separation structure on Reed Road over FAI 55 southwest of Braidwood.....		Deck rehabilitation.....		5,795.00
FAI 80.....	32(47)4I.....	DL-M-I..	Grundy.....	Bridge on FAI 80 over Collins Run Creek northeast of Morris.....		Expansion joint repair.....		4,557.50
FAI 55.....	57-4HB-4I.....	DL-M-I..	McLean.....	Grade separation structure on FAI 55 over US 51 (SBI 2) north of Normal.....		Structure repair.....		7,253.50
FAI 55.....	84-2I-2.....	DL-C-I..	Sangamon.....	From existing Williamsville water line to rest area along FAI 55 south of Sherman.....		Water main constr.....		4,482.50
FAI 55.....	Dist. 1 Gutter Reconstruction '64-1.	DL-C-I..	Will-DuPage.....	Along FAI 55 (US 66) between Alt. US 66 and Ill. 59 north of Joliet.....		Conc. gutter rehabilitation.....		54,908.50
Total State day labor construction contracts awarded on Federal-aid interstate highways.....								\$101,923.60
Total State day labor maintenance contracts awarded on Federal-aid interstate highways.....								11,811.00
Total State day labor contracts awarded on Federal-aid interstate highways.....								\$113,734.60
STATE DAY LABOR CONTRACTS AWARDED ON PRIMARY HIGHWAYS (EXCLUDING FEDERAL-AID INTERSTATE CONTRACTS)								
Route ¹	Section	Class ²	County	Location	Length in Miles	Type of Work ³	Width in Feet	Contract Price
SBI 31, 100....	Dist. 6 Patching '64-2.....	DL-M-P..	Adams-Pike.....	On US 24 (SBI 31) north of Quincy and on Ill. 100 (SBI 100) between Detroit and Pearl..... (For balance of contract see Part D—Secondary—SA 7—Adams County)		1,680 sq. yds. conc. pavement patching.....		\$39,454.00

DESIGN

SBI 36	11A-I Dist. 6 Hand-rail Reconstruction '64-1	DL-C-P.	Adams	Bridge on Ill. 96 (SBI 36) over Curtis Creek east of Quincy	Handrail modification	1,411.50
SBI 36	12B-I Dist. 6 Hand-rail Reconstruction '64-1	DL-C-P.	Adams	Bridge on Ill. 96 (SBI 36) over Mill Creek about 4.5 mi. northwest of Payson	Handrail modification	7,710.32
SBI 36	12B-I-1 Dist. 6 Handrail Reconstruction '64-1	DL-C-P.	Adams	Bridge on Ill. 96 (SBI 36) over Mill Creek about 5.5 mi. northwest of Payson	Handrail modification	6,951.18
SBI 36	13B-I Dist. 6 Hand-rail Reconstruction '64-1	DL-C-P.	Adams	Bridge on Ill. 96 (SBI 36) over Pidgeon Creek north-west of Plainville	Handrail modification	1,521.50
SBI 36	13B-I-1 Dist. 6 Handrail Reconstruction '64-1	DL-C-P.	Adams	Bridge on Ill. 96 (SBI 36) over Pidgeon Creek north-west of Plainville	Handrail modification	5,222.50
Ill. 3, 146 & US 45	Dist. 9 Surfacing of Medians and Isl. '64-1	DL-C-P.	Alexander-Saline	At intersection of Ill. 3 with Ill. 146 (Cape Girardeau Wye) east of Cape Girardeau and at SI&K Overpass on US 45 near Stonefort	PCC median	14,327.00
FA 12	36-2VB-I	DL-M-P.	Bond	Railroad grade separation structure on US 40 (FA 12) over Penn. RR southwest of Greenville	Structure repair	7,428.90
SBI 127	110-VB-I	DL-M-P.	Bond	Railroad grade separation structure on Ill. 127 (SBI 127) over Penn. RR about 0.5 mi. east of Greenville	Expansion joints and deck repairs	14,600.50
SBI 127A	112B-I-1	DL-M-P.	Bond	Bridge on Ill. 143 (SBI 127A) over Beaver Creek 6 mi. east of Pierron	Deck repair	10,544.90
SBI 7, 8	Dist. 4 Pavement Undersealing '64-1	DL-M-P.	Bureau-Henry	US 6 (SBI 7) east of Princeton	Bit. undersealing of concrete pavement	19,182.80
SBI 89	117BR-I	DL-C-P.	Bureau	US 34 (SBI 8) northeast of Kewanee	Bit. undersealing of concrete pavement	37,018.80
SBI 92	140C-I	DL-M-P.	Bureau	Bridge on SBI 89 over Bureau Creek north of Tiskilwa	Bridge deck rehabilitation	19,663.00
SBI 162	Dist. 2 Bituminous Seal Coat '64-1	DL-C-P.	Bureau	Bridge on Ill. 92 (SBI 92) over Bureau Creek north-west of LaMoille	Bridge repair	7,055.00
SBI 80	Dist. 2 Cable Road Guard '64-1	DL-C-P.	Bureau	Main Street (Ill. 89—SBI 162) between Park and Lincoln Avenues in Cherry	Bituminous seal coating	2,055.00
FA 39	14HB-I	DL-M-P.	Carroll-JoDavies-Whiteside	Along Ill. 84 (SBI 80) at various locations between Hanover and Fulton	Cable road guards	32,940.60
FA 39	14-HB-4-1	DL-M-P.	Champaign	Structure for eastbound traffic on Prospect Ave. (FA 39) over FAI 74 north of Champaign	Structure rehabilitation	2,710.65
		DL-M-P.	Champaign	Highway grade separation structure on FAI 74 over US 45 north of Champaign	Structure repair	4,050.90

TABLE 21—Continued
PART D.—Continued.

Route ¹	Section	Class ²	County	Location	Length in Miles	Type of Work ³	Width in Feet	Contract Price
SBI 49, 47....	Dist. 5 Concrete Headwall Removal '64-1....	DL-C-P..	Champaign- Douglas-Edgar- Vermilion.....	At various locations in District 5.....				
SBI 119.....	104-I.....	DL-C-P..	Champaign.....	Bridge on US 136 (SBI 119) east of Osman Road near McLean County line.....		Conc. headwall removal to sideslope grade.....		10, 780.00
Various.....	Dist. 5 Guard Rail Reconstruction '64-1.....	DL-C-P..	Champaign-Clark- Vermilion.....	Along various routes and locations.....	1.92	Bridge deck & handrail repairs.....		6, 399.00
SBI 25, 33.....	(7, 8, 9)I, II.....	DL-M-P..	Clay-Crawford- Wayne.....	Along 10.43 mi. US 45 (SBI 25) southeast of Flora and along 2.43 mi. Ill. 33 (SBI 33) west of Robinson.....	12.86	Drainage grading.....		56, 750.00
FA 99.....	263-0909.1-I.....	DL-M-P..	Cook.....	Highway grade separation structure on SA 263 over Edens Expressway southeast of Northfield.....		Repair and resurf. of structure deck.....		6, 230.00
FA 122.....	066-0202.1-I.....	DL-M-P..	Cook.....	Highway grade separation structure on Thornton- Lansing Road (FA 122) over Calumet Expressway west of Lansing.....		Structure repair.....		3, 030.00
SBI 1.....	K-V-I.....	DL-M-P..	Cook.....	Railroad grade separation structure on Halsted Street (SBI 1) over Indiana Harbor Belt RR in Riverdale.....		Expansion joint repair.....		5, 130.00
SBI 5.....	7Y-I.....	DL-C-P..	Cook.....	Bridge on Business Route US 20 (SBI 5) over Poplar Creek in Elgin.....		Modification of handrails and rehabilitation of sidewalks..		4, 260.90
SBI 54.....	545-B-5-I.....	DL-C-P..	Cook.....	Bridge on Ill. 83 (SBI 54) over Calumet-Sag Canal southwest of Willow Springs.....		Bridge repair and deck resur- facing.....		34, 175.00
SBI 54.....	545-E-4-I.....	DL-C-P..	Cook.....	Bridge on Ill. 83 (SBI 54) over Sanitary and Ship Canal southwest of Willow Springs.....		Bridge rehabilitation.....		25, 750.00
Various.....	Dist. 10 Joint Con- struction 1964....	DL-C-P..	Cook.....	Adjacent to bridge structures at various locations throughout District 10.....		Cutting & filling expansion joints.....		25, 000.00
Various.....	Dist. 10 Bridge Deck Sealant '64-1.....	DL-C-P..	Cook.....	Six (6) bridges on various routes at various locations		Sealant on existing bit. conc. surfaced bridge decks.....		9, 600.00
Various.....	Dist. 10 Mainte- nance Guard Rail Program '64-1....	DL-C-P..	Cook.....	On various routes at 20 locations throughout District 10.....	2.07	Road guards.....		40, 217.50

						DESIGN	
FA 161.....	Dist. 5 Grading and Drainage '64-2.....	DL-M-P..	DeWitt.....	Along US 54 (FA 161) northeast of Clinton.....	11.30	Shoulder grading.....	14,125.00
SBI 120.....	111-I.....	DL-C-P..	DeWitt.....	Near subway on Ill. 10 (SBI 120) west of Clinton.....		Drainage structure improvements.....	3,792.25
Ill. 23, 72.....	Dist. 1 Roadside Rest Stop '64-1; Site 01-401.....	DL-C-P..	DeKalb.....	In northwest quadrant of intersection of Ill. 23 with Ill. 72 (SBI 23, 72) about 1.75 mi. east of Genoa.....		Roadside rest stop.....	17,100.00
US 30.....	Dist. 1 Historical Marker Turnout '64-1.....	DL-C-P..	DeKalb.....	On south side of US 30 near east limit of Shabbona.....		Historical marker turnout and parking area.....	2,450.00
SBI 72.....	127B-I.....	DL-C-P..	DeKalb.....	Bridge on Ill. 72 (SBI 72) over Kishwaukee River west of Genoa.....		Bridge repair.....	44,621.75
SBI 9, 25, 121	Dist. 5 Roadside Rest Stops '64-1..	DL-C-P..	Douglas-Macon-Vermilion.....	At the following three (3) locations: Ill. 9 (SBI 9) 4 mi. west of Ill. 1; at junction of US 45 (SBI 25) with US 36 near Tuscola; and on US 36 (SBI 121) at Casner.....		3 roadside rest stops.....	29,336.50
SBI 5.....	4YB-I.....	DL-C-P..	DuPage.....	Bridge on US 20 (SBI 5) over Salt Creek at Addison.....		Deck and handrail repairs.....	57,917.70
SBI 65.....	625X-I.....	DL-C-P..	DuPage.....	Bridge on US 34 (SBI 65) over West Branch of DuPage River at Naperville.....		Deck and handrail repairs.....	27,190.65
SBI 1.....	Twin Lakes Bridge.	DL-M-P..	Edgar.....	Bridge on US 150 (SBI 1) over Twin Lakes north of Paris.....		Repair of deck, abutments, parapet walls, and approach slabs.....	8,689.00
SBI 48.....	115B-I.....	DL-M-P..	Ford.....	Bridge on US 54 (SBI 48) 2.3 mi. north of Gibson City		Deck resurfacing.....	6,234.00
SBI 48.....	116B-I.....	DL-M-P..	Ford.....	Bridge at Sta. 302+80 on US 54 (SBI 48) about 5.5 mi. southwest of Gibson City.....		Deck resurfacing.....	9,881.00
SBI 48.....	116B-I.....	DL-M-P..	Ford.....	Bridge at Sta. 382+33 on US 54 (SBI 48) about 4 mi. southwest of Gibson City.....		Deck resurfacing.....	1,890.50
SBI 48.....	116B-I.....	DL-M-P..	Ford.....	Bridge at Sta. 423+90 on US 54 (SBI 48) 3.4 mi. south-west of Gibson City.....		Deck resurfacing.....	3,950.50
SBI 48.....	116B-I.....	DL-M-P..	Ford.....	Bridge at Sta. 486+64 on US 54 (SBI 48) about 2 mi. south of Gibson City.....		Deck resurfacing.....	2,252.50
SBI 48.....	116B-I.....	DL-M-P..	Ford.....	Bridge at Sta. 525+36 on US 54 (SBI 48) 1.6 mi. south of Gibson City.....		Deck resurfacing.....	4,245.00
SBI 48.....	116B-I.....	DL-M-P..	Ford.....	Bridge at Sta. 595+00 on US 54 (SBI 48) over Drummer Creek southwest of Gibson City.....		Deck rehabilitation.....	2,303.50
Various.....	Dist. 9 Roadside Rest Stops '64-1..	DL-C-P..	Franklin-Pope-Johnson.....	At the following 4 locations: Ill. 183 east of Sesser; US 45 northwest of New Burnside; and 2 on Ill. 145 south of Glendale.....		Four (4) roadside rest stops.....	19,071.75
SBI 148.....	129I.....	DL-C-P..	Franklin-Williamson.....	Along Ill. 148 (SBI 148) from 3 mi. southeast of Zeigler southeasterly.....	1.42	Embankment stabilizing.....	58,664.00
SBI 140.....	113C-I.....	DL-M-P..	Gallatin.....	Bridge on Ill. 1 (SBI 140) over South Fork of Saline River southeast of Harrisburg.....		Bridge repair.....	4,258.00
FA 77.....	Dist. 3 Bituminous Seal Coat '64-5...	DL-C-P..	Grundy.....	Service drives along US 66 (FA 77) north of Gardner..	7.00	Bituminous seal coating.....	5,180.00
SBI 9.....	Dist. 4 Bridge Repairs '64-4.....	DL-M-P..	Hancock.....	Bridge on US 136 (SBI 9) over west fork of La Moine River about 6 mi. east of Carthage.....		Bridge rehabilitation.....	23,285.70

TABLE 21—Continued
PART D.—Continued.

Route¹	Section	Class²	County	Location	Length in Miles	Type of Work³	Width in Feet	Contract Price	DESIGN
SBI 34.....	5C-I.....	DL-M-P..	Hardin.....	Bridge on Ill. 146 (SBI 34) over Big Creek west of Elizabethtown.....		Bridge repair.....		9, 246.40	
SBI 7.....	6B-I-1.....	DL-C-P..	Henry.....	Bridge on US 6 (SBI 7) over Mud Creek about 0.5 mi. west of Annawan.....		Deck rehabilitation.....		23, 851.50	
SBI 78.....	124-C-I.....	DL-M-P..	Henry.....	Bridge on Ill. 78 (SBI 78) over Wildcat Creek south of Hooppole.....		Bridge repair.....		1, 300.00	
SBI 80.....	118B-I.....	DL-M-P..	Henry.....	Bridge on US 150 (SBI 80) over Edwards River south-west of Andover.....		Bridge repair.....		1, 215.00	
SBI 25.....	36-I.....	DL-C-P..	Iroquois.....	Bridge on US 45 and 54 (SBI 25) over drainage ditch at south limit of Danforth.....		Handrail construction.....		1, 397.00	
SBI 116.....	118B-I.....	DL-M-P..	Iroquois.....	Bridge on US 52 (SBI 116) over Iroquois River south of L'Erable.....		Deck repair and resurfacing.....		9, 614.80	
SBI 116.....	122B-I.....	DL-C-P..	Iroquois.....	Bridge on US 52 (SBI 116) over drainage ditch north of Sheldon.....		Handrail and deck replacement.....		4, 934.00	
SBI 116, 49, FA 19.....	Dist. 3 Roadside Rest Stops '64-1..	DL-C-P..	Iroquois.....	On Ill. 1 (SBI 116) 8 mi. north of Watska..... On Ill. 49 (SBI 49) 10 mi. south of Kankakee..... On US 34 (FA 19) 1 mi. south of Leland.....		Roadside rest stops.....		8, 042.25 7, 967.25 17, 750.00	{
FA 144.....	Dist. 9 Bituminous Seal Coat '64-1..	DL-C-P..	Jackson-Union.....	Ill. 127 (FA 144) between Murphysboro and Jonesboro.....					
SBI 150.....	130I.....	DL-C-P..	Jackson.....	Along Main Street (SBI 150) in Gorham.....	20.70	Bit. surf. treat.....	22, 24	23, 769.45	
SBI 151.....	(115B, C)I.....	DL-M-P..	Jackson.....	Bridge on Ill. 43 (SBI 151) over Beaucoup Creek south of Vergennes.....	0.11	Drainage improvements.....		10, 242.20	
FA 4.....	259-B-I.....	DL-M-P..	Jersey.....	Bridge on US 67A (FA 4) over Piasa Creek 8 mi. south of Jerseyville.....		Pier repairs.....		7, 547.60	
SBI 5.....	(28B&C)I.....	DL-M-P..	JoDavies.....	Bridge on US 20 (SBI 5) over Apple River about 1.5 mi. west of Elizabethtown.....		Miscellaneous repairs.....		15, 147.20	
SBI 78.....	104B-I.....	DL-M-P..	JoDavies.....	Bridge on Ill. 78 (SBI 78) over Apple River south-west of Nora.....		Deck rehabilitation.....		5, 365.80	
SBI 1.....	38D, E-I.....	DL-M-P..	Johnson.....	Bridge on US 45 (SBI 1) over Dutchman Creek south of Vienna.....		Bridge repair and handrail modification.....		4, 723.00	
SBI 1.....	(38D&E)I-1.....	DL-C-P..	Johnson.....	Bridge on US 45 (SBI 1) over Dutchman Creek south of Vienna.....		Miscellaneous repairs.....		17, 044.70	
FA 141.....	X-I.....	DL-C-P..	Kane.....	Bridge on FA 141 (Business Route US 30) over Blackberry Creek west of Aurora.....		Reconstruction of north span.....		14, 506.20	
SBI 22.....	R-I.....	DL-C-P..	Kane.....	Bridge on Ill. 31 (SBI 22) over Jelkes Creek north of Elgin.....		Wearing surface and handrail rehabilitation.....		26, 248.95	
SBI 47.....	(106-S)T.....	DL-C-P..	Kane.....	Under US 20 (SBI 47) about 760 feet north of CMSt. P&P RR north of Starks.....		Bridge handrails modified.....		1, 774.00	
FA 26.....	139-VB-I.....	DL-C-P..	Kankakee.....	Dual railroad grade separation structures on FAI 57 (FA 26) over NYC RR east of Kankakee.....		Culvert drainage improvement.....		11, 626.00	
						Deck resurfacing.....		10, 595.00	

SBI 1, 7, 7A, 8.....	Dist. 3 Historical Marker Turnouts '64-1, 2, 3, 4.....	DL-C-P..	Kankakee-LaSalle- Livingston.....	At the following four locations: Ill. 1 & 17 (SBI 1) southwest of Mokence; US 6 (SBI 7) 5 mi. west of Ottawa; Ill. 71 (SBI 7A) 7 mi. west of Ottawa; and on US 24 (SBI 8) 2.5 mi. east of Chatsworth..... Highway grade separation structure on Ill. 173 (SBI 173) about 4 mi. west of Zion.....	DESIGN	
SBI 173.....	T-13-B-I.....	DL-M-P..	Lake.....	4 historical marker turnouts..	7,780.00	
Various.....	Dist. 1 Road Guard '64-1.....	DL-C-P..	Lake-McHenry.....	Structure expansion joint re- pairs.....	6,504.00	
SBI 7.....	4-I.....	DL-C-P..	LaSalle.....	Road guards.....	55,488.50	
SBI 178.....	P-10-I.....	DL-C-P..	LaSalle.....	Handrail construction.....	1,463.00	
FA 5.....	Dist. 3 Bituminous Seal Coat '64-1.....	DL-C-P..	Livingston.....	Rumble strip installations.....	2,944.00	
FA 5.....	(12R-1-B)I.....	DL-M-P..	Livingston.....	Bit. armor and seal coating.....	10,854.00	
FA 5.....	(12R-2B, 12R)I.....	DL-M-P..	Livingston.....	Deck repair and resurfacing..	3,030.00	
SBI 4.....	12R-I.....	DL-M-P..	Livingston.....	Deck resurfacing.....	8,350.00	
SBI 116.....	112-I.....	DL-C-P..	Livingston.....	Handrail modification.....	2,160.00	
SBI 116.....	112XB-I.....	DL-M-P..	Livingston.....	Handrail replacement.....	1,013.00	
FA 5.....	21RB-I.....	DL-M-P..	Logan.....	Deck repair and resurfacing..	2,920.00	
SBI 121, 4.....	113-BI, 22X-BI.....	DL-C-P..	Logan.....	Miscellaneous repairs.....	2,466.50	
SBI 10.....	Williams Street Bridge.....	DL-M-P..	Macon.....	Lowering one barrel each of two double-barrelled RC box culverts.....	14,607.50	
SBI 10.....	Dist. 5 Historical Markers '64-1.....	DL-C-P..	Macon.....	Rehabilitation of expansion devices and approach slabs	9,652.00	
SBI 108.....	108B-I.....	DL-M-P..	Macoupin.....	Historical marker site.....	4,565.00	
FA 4.....	Dist. 8 Historical Marker '64-16.....	DL-C-P..	Madison.....	Miscellaneous repairs.....	3,849.00	
FA 190.....	521-111B-1-I.....	DL-M-P..	Madison.....	Historical marker turnout....	21,299.80	
SBI 11.....	Dist. 8 Historical Marker '64-23.....	DL-C-P..	Madison.....	Structure repair.....	6,468.00	
SBI 112.....	Dist. 8 Historical Markers '64-17.....	DL-C-P..	Madison.....	Historical marker turnout....	4,524.90	
SBI 159.....	128VB-I.....	DL-M-P..	Madison.....	Historical marker turnout....	3,418.90	
				Rehabilitation of expansion joints and deck repair.....	27,868.45	

TABLE 21—Continued
PART D.—Continued.

Route ¹	Section	Class ²	County	Location	Length in Miles	Type of Work ³	Width in Feet	Contract Price	DESIGN	
SBI 89.....	Dist. 4 Patching '64-1.....	DL-M-P..	Marshall-Woodford.	Ill. 89 (SBI 89) between Washburn and Metamora...		608 sq. yds. conc. pavt. patching.....		14,726.00		
SBI 12.....	17V-I.....	DL-M-P..	Marion.....	Railroad grade separation structure on US 50 (SBI 12) over IC RR in Odin.....		Modification of struct. hand-rails.....		34,360.70		
SBI 142, 25, 12.....	Dist. 7 Cable Road Guard '64-1.....	DL-C-P..	Marion-Clay.....	At three (3) structure locations on Ill. 37, US 45 and 50 (SBI 142, 25, 12) in Marion and Clay Counties...	0.90	Road guard reconstr.....		15,482.60		
SBI 182.....	101-B-I.....	DL-M-P..	Marion.....	Bridge on Ill. 161 (SBI 182) over Raccoon Creek Over-flow about 3 mi. east of Centralia.....		Bridge handrails modified...		8,108.40		
SBI 3, FA 162	Dist. 4 Bridge Repairs '64-1.....	DL-M-P..	McDonough-Henderson.....	Bridge on US 67 (SBI 3) over LaMoine River north of Macomb and bridge on Ill. 96 (FA 162) northeast of Dallas City.....						
SBI 9.....	Dist. 4 Rest Stop '64-3.....	DL-C-P..	McDonough.....	Along Ill. 9 (SBI 9) about 2 mi. north of Bushnell....		Two bridge repairs.....		2,439.70		
Ill. 31.....	Dist. 1 Roadside Rest Stop '64-1; Site 01-501.....	DL-C-P..	McHenry.....	Along west side of Ill. 31 (SBI 61) about 3 mi. south of McHenry.....		Rest stop turnout.....		5,459.45		
US 14.....	Dist. 1 Roadside Rest Stop '64-1; Site 01-402.....	DL-C-P..	McHenry.....	Along west side of US 14 (SBI 19) about 1.5 mi. south of Harvard.....		Roadside rest stop.....		17,312.75		
FA 5.....	Dist. 3 Bituminous Seal Coat '64-6....	DL-C-P..	McLean.....	Service drives along Bloomington Belt Line (FA 5) at Bloomington.....		Bituminous seal coating.....		6,107.50		
SBI 2.....	55B-I.....	DL-C-P..	McLean.....	Bridge on US 51 (SBI 2) over drainage ditch about 0.1 mi. north of Heyworth.....		Handrail replacement.....		3,100.00		
SBI 48.....	117B-I.....	DL-M-P..	McLean.....	Bridge at Sta. 75+41 on US 54 (SBI 48) about 10 mi. southwest of Gibson City.....		Deck resurfacing.....		1,400.00		
SBI 48.....	117B-I.....	DL-M-P..	McLean.....	Bridge at Sta. 173+54 on US 54 (SBI 48) about 8.5 mi. southwest of Gibson City.....		Deck resurfacing.....		2,761.00		
SBI 2.....	38-I.....	DL-C-P..	Ogle.....	On Ill. 2 (SBI 2) southwest of Oregon.....		Deck resurfacing.....		2,333.50		
SBI 72.....	Dist. 2 Historical Marker '64-1.....	DL-C-P..	Ogle.....	Along Ill. 72 (SBI 72) east of Stillman Valley.....		RC culv. extension.....		25,067.50		
US 34, 150....	Dist. 4 Historical Markers '64-1.....	DL-C-P..	Peoria-Henry.....	At intersection of US 34 and Bishop Hill Road about 4.5 mi. west of Galva and at US 150 and Jubilee State Park Road about 6 mi. southeast of Brimfield.....		Historical marker turnout.....		3,795.50		
SBI 8.....	Dist. 4 Rest Stops '64-2.....	DL-C-P..	Peoria.....	At intersection of Ill. 8 (SBI 8) with Ill. 78 about 0.5 mi. north of Elmwood....		Two historical marker turn-outs.....		12,160.00		
SBI 30.....	Dist. 4 Bridge Repair '64-3.....	DL-M-P..	Peoria.....	Bridge on Ill. 91 (SBI 30) over tributary of Prince Run Creek about 0.75 mi. north of Princeville.....		Rest stop turnout.....		12,572.75		
						Bridge rehabilitation.....		15,813.80		

				DESIGN			
SBI 78, 91....	Dist. 4 Patching '64-2.....	DL-M-P..	Peoria.....	On 25.7 mi. of Ill. 78 (SBI 78) from Elmwood northerly to US 150 and on US 150 (SBI 91) from north of Brimfield southeasterly to Big Hollow Road 5 mi. northwest of Peoria.....	2, 241 sq. yds. conc. pavt. patching.....	53, 200.00	
FA 36.....	43-I.....	DL-C-P..	Pike.....	Ill. 57 (FA 36) about 0.25 mi. southeast of Adams-Pike County Line.....	Earth dam and channel change.....	12, 301.50	
FA 158.....	4B-I.....	DL-M-P..	Pike.....	Bridge on Ill. 96 (FA 158) over Bay Creek south of Pleasant Hill.....	Bridge repair.....	20, 105.80	
FA 158.....	4VB-I.....	DL-M-P..	Pike.....	Railroad grade separation structure over Alton RR southeast of Pleasant Hill.....	Miscellaneous repairs.....	10, 684.00	
FA 135.....	Dist. 5 Grading and Drainage '64-1.....	DL-M-P..	Piatt.....	Along 9.5 mi. of Ill. 47 (FA 135) west of Monticello.....	Drainage grading.....	41, 830.00	
SBI 36.....	20BCD-I.....	DL-M-P..	Pike-Scott.....	Bridge on US 36, 54 (SBI 36) over Illinois River at Florence.....	Miscellaneous repairs.....	67, 172.00	
SBI 120.....	115V-I.....	DL-M-P..	Piatt.....	Railroad grade separation structure on Ill. 10 (SBI 120) over Wabash RR at Lodge.....	Miscellaneous repairs.....	9, 650.50	
SBI 34.....	7B-I-2.....	DL-C-P..	Pope.....	Temporary bridge on Ill. 146 (SBI 34) over Lusk Creek near north limit of Golconda.....	Bridge removal.....	15, 375.00	
SBI 3, 152, 146, 140.....	Dist. 9 Historical Markers '64-1.....	DL-C-P..	Randolph-Perry-Union-Gallatin.....	Ill. 3 (SBI 3) southeast of Ellis Grove, Ill. 13 (SBI 152) east of Coulterville, Ill. 146 (SBI 146) west of Jonesboro, and Ill. 1 (SBI 140) southwest of Junction.....	4 historical marker sites.....	23, 924.75	
SBI 34.....	(1B, 1C)I.....	DL-M-P..	Saline.....	Bridge at Sta. 235+20 on Ill. 34 and 145 (SBI 34) over South Fork drainage ditch of Saline River about 0.25 mi. north of Mitchellsville.....	Bridge rehabilitation.....	10, 061.00	
SBI 34.....	(1B, 1C)I.....	DL-M-P..	Saline.....	Bridge at Sta. 244+48.5 on Ill. 34, 145 (SBI 34) over drainage ditch for South Fork of Saline River 0.13 mi. north of Mitchellsville.....	Expansion joints and deck rehabilitation.....	10, 850.50	
SBI 142.....	124C-I.....	DL-M-P..	Saline.....	Bridge on Ill. 142 (SBI 142) over Recter Creek about 1.5 mi. south of Hamilton-Saline County line.....	Cutting & filling expansion joints & deck repair.....	5, 106.25	
FA 161.....	Dist. 6 Roadside Rest Stops '64-1.....	DL-C-P..	Sangamon.....	Along US 54 (FA 161) southwest of Riverton Road at Spaulding.....	Roadside rest stop.....	14, 840.80	
SBI 4.....	H-I Dist. 6 Handrail Reconstruction '64-1.....	DL-C-P..	Sangamon.....	Bridge on Ill. 4 (SBI 4) about 1.4 mi. north of Chatham.....	Handrail modification.....	1, 099.00	
SBI 4.....	H-I-1 Dist. 6 Handrail Reconstruction '64-1.....	DL-C-P..	Sangamon.....	Bridge on Ill. 4 (SBI 4) over Polecat Creek north of Chatham.....	Handrail modification.....	1, 099.00	
SBI 10.....	Dist. 6 Handrail Reconstruction '64-1.....	DL-C-P..	Sangamon.....	Bridge on US 36 (SBI 10) over Griffith Creek about 2 mi. east of Buffalo.....	Handrail modification.....	1, 613.50	
SBI 10.....	17-I-1 Dist. 6 Handrail Reconstruction '64-1.....	DL-C-P..	Sangamon.....	Bridge on US 36 (SBI 10) over Griffith Creek at Lanesville.....	Handrail modification.....	1, 613.50	

TABLE 21—Continued
PART D.—Continued.

Route ¹	Section	Class ²	County	Location	Length in Miles	Type of Work ³	Width in Feet	Contract Price
SBI 30.....	Dist. 4 Bridge Repairs '64-6.....	DL-M-P..	Stark.....	Bridge on Ill. 91 (SBI 30) over Camp Run Creek about 6.5 mi. north of Princeville.....	.....	Bridge rehabilitation.....	.....	5,165.00
SBI 5.....	(21VB-C)I.....	DL-M-P..	Stephenson.....	Railroad grade separation structure on US 20 (SBI 5) over IC RR west of Freeport.....	.....	Deck repair.....	.....	9,770.00
SBI 26.....	1BR-I.....	DL-C-P..	Stephenson.....	Bridge on Ill. 26 (SBI 26) over Yellow Creek south of Freeport.....	.....	Handrail modification.....	.....	9,104.00
SBI 75.....	109B2-I.....	DL-M-P..	Stephenson.....	Bridge on Ill. 75 (SBI 75) over Pecatonica River in Freeport.....	.....	Bridge repair.....	.....	4,127.80
SBI 24.....	(L15D, LB)I Dist. 6 Handrail Recon- struction '64-1....	DL-C-P..	Tazewell.....	Bridge on Ill. 29 (SBI 24) over Lost Creek south of Pekin.....	.....	Handrail modification.....	.....	4,835.00
Various.....	Dist. 3 Bituminous Undersealing '64-1	DL-M-P..	Various.....	Ill. 49 from FAI 57 south of Kankakee southerly..... Ill. 170 from 3 mi. south of Seneca southerly..... Ill. 179 from Ill. 17 southerly and westerly..... Ill. 165 from Ill. 9 northerly and easterly.....	3.40 8.00 7.00 7.00	Bit. undersealing of concrete pavement.....	.....	78,400.00
Various.....	Dist. 3 Crushed Stone Shoulders '64-1.....	DL-M-P..	Various.....	Adjacent to pavement at four (4) locations in Dis- trict 3.....	.....	Flexible shoulder construction.....	.....	58,410.00
Various.....	Dist. 3 Guard Fence Replacement '64-1	DL-C-P..	Various.....	At 10 locations along various routes in District 3.....	1.47	Replacing exist. wood road guards with cable road guards.....	.....	26,424.80
Various.....	Dist. 3 Headwall Removal '64-1....	DL-C-P..	Various.....	Along service drives on FAI 80 west of Ottawa..... At various locations along the following routes in District 3: Ill. 23 from Streator south thence east to Cornell and west to Long Point, Ill. 116 between Pontiac and Roanoke, Ill. 116A between Ill. 17 and 116, and Ill. 115 between Ill. 9 and US 24.....	2.30	Cable road guards.....	.....	21,262.50
Various.....	Dist. 5 Expansion Joint Cutting '64-1.....	DL-C-P..	Various.....	At various locations on various routes throughout District 5.....	.....	Conc. culv. headwall removal to sideslope grade.....	.....	11,660.00
Various.....	Dist. 6 Guard Rail Reconstruction '64-1.....	DL-C-P..	Various.....	Various locations and routes throughout District 6..	.....	Cutting and filling expansion joints.....	.....	16,506.00
Various.....	Dist. 7 Bituminous Undersealing '64-1	DL-M-P..	Various.....	At various locations on SBI 1, 128, 138, 141, and 181 throughout District 7.....	.....	Guard rail replacement.....	.....	29,164.50
					.....	Bituminous undersealing of pavement.....	.....	13,300.00

DESIGN

DESIGN

Various.....	Dist. 7 Joint Construction '64-1....	DL-C-P..	Various.....	At each end of structures on various routes throughout District 7.....	Cutting and filling expansion joints.....	8,036.00
Various.....	Dist. 8 Guard Rail '64-1.....	DL-C-P..	Various.....	Along various routes and locations throughout District 8.....	Guard rail modification.....	29,003.00
Various.....	Dist. 8 Headwall Removal '64-1....	DL-C-P..	Various.....	Various locations and routes throughout District 8.....	Conc. culv. headwall removal to side slope grade.....	17,500.00
Various.....	Dist. 8 Patching '64-1.....	DL-M-P..	Various.....	On various routes throughout District 8.....	3,703 sq. yds. conc. pavement patching.....	84,912.00
Various.....	Dist. 9 Guard Fence Replacement '64-1	DL-C-P..	Various.....	Along various routes and locations in Johnson, Pope, Jackson, and Randolph Counties.....	Bit. conc. resurfacing.....	4,590.00
Various.....	Dist. 9 Headwall Removal '64-1....	DL-C-P..	Various.....	Along various routes and locations throughout District 9.....	Road guard modification.....	10,067.50
Various.....	Dist. 9 Pavement Patching '64-1....	DL-M-P..	Various.....	On various routes at various locations throughout District 9.....	Conc. culv. headwall removal to side slope grade.....	54,600.00
Various.....	Miscellaneous Repairs '64-1.....	DL-M-P..	Various.....	On various routes at various locations Statewide.....	2,807 sq. yds. conc. pavement patching.....	66,230.50
SBI 1, 140, 141.....	Dist. 7 Headwall Removal '64-1....	DL-C-P..	Various.....	At various locations in District 7.....	Miscellaneous minor repairs on bridges, handrails, drainage systems, guard rails, etc.....	10,000.00
SBI 119.....	116-I.....	DL-C-P..	Vermilion.....	At south end of "Y" on Ill. 119 (SBI 119) about 1 mi. south of Alvin.....	Conc. headwall removal to side slope grade.....	15,125.00
SBI 3.....	13B-I.....	DL-M-P..	Whiteside.....	Bridge on Ill. 2 (SBI 3) over Rock Creek about 3 mi. northeast of Erie.....	PCC turning lane.....	3,042.00
SBI 80.....	109BR-I.....	DL-C-P..	Whiteside.....	Bridge on Ill. 84 (SBI 80) over Spring Creek south of Fulton.....	Bridge repair.....	3,432.50
FA 46.....	18-I.....	DL-C-P..	Will.....	Bridge on US 52 (FA 46) over Forked Creek north of Wilton Center.....	Modification of bridge deck and handrails.....	8,833.00
FA 77.....	87-B-D-E-F-P-I....	DL-C-P..	Will.....	Bridge on US 66 (FA 77) over DesPlaines River north of Blodgett.....	Handrail modification.....	7,316.00
SBI 13.....	1X-I.....	DL-C-P..	Williamson.....	Along Ill. 13 (SBI 13) west of Marion.....	Installation of counterbalance weights at 2 abutments.....	17,551.00
FA 6.....	2Y-I.....	DL-C-P..	Winnebago.....	At intersection of East State Street (FA 6) with Alpine Road in Rockford.....	Drainage improvements.....	19,265.50
SBI 8.....	Dist. 4 Rest Stops '64-1.....	DL-C-P..	Woodford.....	Along US 24 (SBI 8) about 1.5 mi. west of Eureka.....	Median removal.....	11,630.00
					Rest stop turnout.....	7,059.20

State day labor construction contracts awarded on primary highways (excluding Federal-aid interstate contracts)..... \$1,344,567.60
State day labor maintenance contracts awarded on primary highways (excluding Federal-aid interstate contracts)..... 1,086,314.55

Total State day labor contracts awarded on primary highways (excluding Federal-aid interstate contracts)..... \$2,430,882.15

TABLE 21—Continued
PART D.—Concluded.

STATE DAY LABOR CONTRACTS AWARDED ON SECONDARY ROADS							DESIGN		
Route ¹	Section	Class ²	County	Location	Length in Miles	Type of Work ³	Width in Feet	Contract Price	
SA 7.....	Dist. 6 Patching '64-2.....	DL-M-S..	Adams.....	On Ill. 57 (SA 7) between Quincy and Marblehead..... (For balance of contract see Part D—Primary—SB1 31, 100—Adams and Pike Counties)	.....	745 sq. yds. conc. pavt. patch- ing.....	.....	\$17, 276.00	
SA 1, 3B.....	Dist. 6 Patching '64-1.....	DL-M-S..	Christian- Sangamon.....	On SA 1 between Taylorville and Mount Auburn, and on SA 3B between Buffalo and Mechanicsburg.	.....	1,730 sq. yds. conc. pavement patching.....	.....	40, 200.00	
CH 22 (13)...	113B-MFT-I.....	DL-C-S..	Champaign.....	Bridge on County Highway 22 (13) about 3.5 mi. north of Penfield.....	.....	Bridge deck repair.....	.....	11, 590.00	
Various.....	Dist. 5 Bituminous Seal Coat '64-3....	DL-C-S..	Champaign.....	At various locations on SA 16, 18, 6, 19, 19A, 11A, and FA 26.....	35.00	Bit. seal coat with bit. surf. treat. A-3.....	.....	42, 695.30	
SA 55.....	4141-BC-NRM.....	DL-M-S..	Cook.....	Bridge on Railroad Ave. (SA 55) over North Shore Channel in Chicago.....	.....	Bridge rehabilitation.....	.....	4, 545.00	
SA 66.....	066-0405-1-I.....	DL-M-S..	Cook.....	Highway grade separation structure on 159th Street (SA 66) over Calumet Expressway east of South Holland.....	.....	Structure rehabilitation.....	.....	18, 610.00	
SA 105.....	2222-I.....	DL-C-S..	Cook.....	Bridge on Dundee Road (SA 105) over Skokie River west of Glencoe.....	.....	Bridge rehabilitation.....	.....	22, 305.00	
SA 150.....	0505-15d-I.....	DL-C-S..	Cook.....	Bridge on Chicago Ave. (SA 150) over DesPlaines River east of Melrose Park.....	.....	Bridge deck rehabilitation.....	.....	18, 494.00	
CH 16.....	2527-I.....	DL-M-S..	Cook.....	Grade separation structure on Wolf Road (CH 16) over Tri-State Tollway west of Hodgkins.....	.....	Deck patching, sealing, and resurfacing.....	.....	4, 894.00	
FAS 325.....	S-15B-I.....	DL-M-S..	Iroquois.....	Bridge on FAS 325 over Sugar Creek about 1 mi. south of Watseka.....	.....	Bridge repair.....	.....	2, 500.00	
SA 8.....	Dist. 3 Bituminous Seal Coating '64-3 109T.....	DL-C-S.. DL-C-S..	Iroquois..... Kane.....	On SA 8 from Iroquois County line southerly..... Across the road culvert on Ill. 72 (CH 31) 610 feet east of Ill. 47 northeast of Starks.....	4.03	Bituminous seal coating.....	.....	8, 445.60	
SA 9.....	Dist. 3 Bituminous Seal Coat '64-4....	DL-C-S.. DL-C-S..	Kankakee..... Lake.....	On SA 9 from Desclm easterly to Whitaker..... South entrance road to Illinois Beach State Park southeast of Zion.....	14.00	Flow line improvement.....	.....	5, 592.50	
SB 275.....	2.....	DL-C-S..	LaSalle.....	Bridge on CHS 15 (FAS 268) over Illinois River and Sanitary and Ship Canal south of Marseilles.....	.....	Bituminous seal coating.....	.....	9, 463.00	
CHS 15.....	Illinois River Bridge at Marseilles.....	DL-C-S..	LaSalle.....	On existing shoulders along SA 3 from Ill. 17 south- erly to Campus.....	.....	Bit. surf. treatment of exist. flex. surface.....	.....	2, 770.90	
SA 3.....	Dist. 3 Bituminous Seal Coat '64-2....	DL-C-S..	Livingston.....	Bridge on Ill. 143 (CHS 6) over Silver Creek 2 mi. east of US 66 east of Edwardsville.....	.....	Bridge repair.....	.....	10, 908.50	
CHS 6.....	54-15d-I.....	DL-M-S..	Madison.....	Bridge on County Highway 7 (Ill. 143) over Sugar Fork Creek 1.7 mi. east of Marine.....	.....	Bituminous seal coating.....	.....	4, 645.00	
CH 7.....	68B-15d-I.....	DL-M-S..	Madison.....	Bridge on County Highway 7 (Ill. 143) over Sugar Fork Creek 1.7 mi. east of Marine.....	.....	Bridge repair and deck resur- facing.....	.....	14, 590.50	
						Miscellaneous repairs.....	.....	2, 478.75	

County Road	Covered Bridge 6-1.	DL-C-S..	Sangamon.....	Covered bridge on Washington Street Road over Spring Creek about 2 mi. south of Ill. 125 and 4 mi. west of Springfield.....	Bridge restoration.....	6,000.00
County Road	Covered Bridge 6-2.	DL-C-S..	Sangamon.....	Covered bridge on County Road over Sugar Creek about 1.5 mi. west of Glenarm.....	Bridge restoration.....	15,000.00
CHS 2A.....	44B-I-1.....	DL-C-S..	Will.....	Under County Highway State 2A at Marley Creek north of Mokena.....	Culvert reconstruction.....	8,240.00
CHS 9.....	U-15d-I.....	DL-M-S..	Winnebago.....	Bridge on County Highway State 9 over Rock River west of Rockton.....	Deck resurfacing.....	2,460.00
CHS 9.....	32B-15d-I.....	DL-M-S..	Winnebago.....	Bridge on County Highway State 9 over Raccoon Creek west of Rockton.....	Deck rehabilitation.....	2,974.50
				Total State day labor construction contracts awarded on secondary roads.....		\$166,149.80
				Total State day labor maintenance contracts awarded on secondary roads.....		110,528.75
				Total State day labor contracts awarded on secondary roads.....		\$276,678.55

STATE DAY LABOR CONTRACTS (IMPROVEMENTS NOT LOCATED ON ANY STATE HIGHWAY SYSTEM)

Route ¹	Section	Class ²	County	Location	Length in Miles	Type of Work ³	Width in Feet	Contract Price
SB 275.....	New Salem State Park Road.....	DL-C-E..	Menard.....	On State Park Road and parking lot in New Salem State Park.....	.....	Bridge deck reconstruction..... Parking lot resurfacing.....	.....	\$16,271.90 7,734.30
SB 1226.....	Core Drill Maintenance and Repairs '64-I.....	DL-C-E..	Sangamon.....	At District 6 highway maintenance shop in Springfield.....	.....	Repair of drilling equipment.....	.....	2,500.00
	Dist. 6 Sign Shop Storage Pad and Loading Dock....	DL-C-E..	Sangamon.....	District 6 Sign Shop premises on North Lincoln Ave. in Springfield.....	.....	Constr. of conc. slab, ramps, dock, and flexible surf. driveway.....	.....	27,009.50
	Dist. 6 Tree Protection '64-I.....	DL-C-E..	Sangamon.....	At construction site of New State Highway Office Building east of Springfield.....	.....	Furnishing and erecting snow fence.....	.....	3,395.00
	Mansion Drive Resurfacing '64-I.....	DL-C-E..	Sangamon.....	Governor's Mansion in Springfield.....	.....	Driveway repair.....	.....	5,000.00
				Total State day labor construction contracts awarded on non-highway improvements...				\$ 61,910.70
				Total State day labor construction contracts awarded in Part D.....				\$1,674,551.70
				Total State day labor maintenance contracts awarded in Part D.....				1,208,654.30
				Total, Part D.....				\$2,883,206.00

DESIGN

TABLE 21—Continued

PART E.—CONTRACTS OBLIGATED AND AWARDED BY THE STATE FOR IMPROVEMENTS NOT LOCATED ON ANY OF THE HIGHWAY SYSTEMS LISTED IN PARTS A, B, C, OR D.

Route ¹	Section	Class ²	County	Location	Length in Miles	Type of Work ³	Width in Feet	Contract Price
SB 275	1963-1-N.M.G.Y.	State M.	Cook	Maintenance garage yard in Northbrook		Bit. conc. resurf. & constr. of conc. bins		\$54,883.70
	Dist. 7 Resurfacing Maintenance Yard '64-1	State M.	Fayette-Marion	Maintenance yard at Vandalia on US 51 about 0.5 mi. north of US 40 in Fayette County				
	3	State M.	Jersey	Maintenance yard at Salem on Marion Ave. about 0.4 mi. south of US 50 in Marion County		Bit. conc. resurfacing	Var.	19,024.25
	Dist. 1 Headquarters Parking Area '64-1	State M.	Kane	Drives and parking lots in Pere Marquette State Park west of Grafton		Base strengthening and bit. surfacing	Var.	25,656.08
	Dist. 1 Storage Area Resurfacing '64-1	State M.	Lake	District 1 office parking area at Elgin		Flex. base with bit. conc. surf.	Var.	28,245.14
SB 275	Dist. 8 Highland Maintenance Storage Yard Improvement '64-1	State M.	Madison	Highway maintenance storage yard in Grayslake		Bit. conc. resurfacing		23,324.10
	1	State M.	McLean	Maintenance storage yard at Highland				11,577.12
	Dist. 2 Maintenance Yard Resurfacing '64-1	State M.	Rock Island	Township Road 405 in McLean County Conservation Area about 2.5 mi. southwest of Ellsworth	1.26	Flex. base with bit. surf. treat.	22	85,780.01
	Dist. 4 Cinder Hauling '64-1	State M.	Various	District 2 maintenance yard about 1.5 mi. east of Milan		Bit. conc. resurfacing		8,639.80
	Dist. 5 Storage Area Resurfacing '64-1	State M.	Vermilion	From Pekin to various storage areas at various loca- tions in District 4		Cinder hauling		10,833.00
TR 249	5BR	State M.	Vermilion	Highway storage area in Danville and storage area 2 mi. northwest of Fithian		Bit. conc. resurfacing	Var.	24,219.25
				On Township Road 249 over Middle Fork of Ver- million River in Kickapoo State Park		Bridge and bit. paved ap- proaches		103,985.47

DESIGN

SB 1142.....	3-DM.....	State M..	Whiteside.....	In the City of Sterling.....	Removal of 2 buildings.....	4,947.00
Total contracts awarded by the State in Part E.....						\$401,114.92
Total, Part A.....						\$198,008,361.67
Total, Part B.....						28,667,449.15
Total, Part C.....						2,382,885.15
Total, Part D.....						{ 2,821,295.30
Total, Part E.....						61,910.70
Total Parts A, B, C, D, and E.....						401,114.92
Total FAS contracts listed in Local Roads and Streets Report.....						14,593,767.96
Total all contracts awarded by the State, by Cook County, and by the City of Chicago....						\$246,936,784.85

DESIGN

RECAPITULATION OF CONTRACTS AWARDED FOR STATE HIGHWAYS IN 1964.

Awarded by		Interstate	Primary	Secondary	Total
State of Illinois					
Regular Part A.....		\$95,565,216.31	\$36,171,549.05	\$1,194,570.68	\$132,931,336.04
Rehabilitation Part B—Rural.....		727,484.68	17,806,239.11	480,636.78	19,014,360.57
Rehabilitation Part B—Urban.....		2,337,102.79	5,495,269.39	1,820,716.40	9,653,088.58
Maintenance Part C.....		635,703.87	1,663,247.53	83,933.75	2,382,885.15
Day Labor Part D—Construction.....		101,923.60	1,344,567.60	166,149.80	1,612,641.00
Day Labor Part D—Maintenance.....		11,811.00	1,086,314.55	110,528.75	1,208,654.30
Subtotal.....		\$99,379,242.25	\$63,567,187.23	\$3,856,536.16	\$166,802,965.64
County of Cook Part A.....		40,137,189.85	3,399,884.18	.....	43,537,074.03
City of Chicago Part A.....		19,274,539.80	2,265,411.80	.....	21,539,951.60
Summary of Parts A, B, C, and D.....		\$158,790,971.90	\$69,232,483.21	\$3,856,536.16	\$231,879,991.27
Federal-aid Secondary Contracts awarded by the State, listed in Local Roads and Streets Section, Table 57..		.....	.....	14,593,767.96	14,593,767.96
*Contracts awarded for work not located on any highway system, listed in Part E.....		.....	.....	.....	*401,114.92
*Miscellaneous Day Labor Contracts in Part D.....		.....	.....	.....	*61,910.70
Total State highway contracts awarded.....		\$158,790,971.90	\$69,232,483.21	\$18,450,304.12	\$246,936,784.85

TABLE 21.—Concluded.

PREFIXES, ABBREVIATIONS, AND TERMS USED IN TABLE 21, PARTS A, B, C, D, AND E.

NOTE: Type of bituminous surfacing listed in Part B is Class I, Subclass I-11.

— / Insert frame for the following identities of the type of improvements.

- b. Bituminous concrete material.
- c. Portland cement concrete material.
- f. Flexible type construction, such as, soil-cement, gravel or crushed stone, bituminous surface on gravel or crushed stone base, etc.
- i. Intermittent bituminous concrete surfacing (mileage is total length to be improved within improvement limits described).
- r. Bridge or grade separation structure rehabilitated.
- s.c. Soil-cement composition.
- t. Reinforced concrete box culvert of one or more openings classed as a bridge — when the sum of the openings plus the thickness of the inside walls, measured along the centerline of traveled way, measures 20 feet or more.
- w. Bridge or grade separation structure widened.

¹ HIGHWAY SYSTEMS

FAI.....Federal-aid Interstate	FH.....Forest Highway
SBI.....State Bond Issue	AD.....Defense Access Road
FA.....Federal-aid Primary	CH.....County Highway
SA.....State-aid Secondary	BR.....Business Route
FAS.....Federal-aid Secondary	US.....United States Route

2 FUND DESIGNATION

Int.....	Improvements on the National System of Interstate and Defense Highways financed mostly on the bases of 90 per cent Federal and 10 per cent State funds.
Int. G.....	Railroad grade separation improvements on interstate highway system, financed mostly with 90 per cent Federal-aid railroad funds.
UI.....	Improvements on interstate highway system in urban area involving Federal-aid urban and State funds.
EBI.....	Improvements on interstate highway system financed with Cook County expressway bond issue funds.
EACI.....	Cook County advanced construction on interstate highway system financed with Cook County expressway bond issue funds.
HPR-I.....	Highway planning and research on interstate highway system financed with 1½ per cent reserve from Federal-aid interstate funds.
HPS-I.....	Highway planning survey on interstate highway system financed with 1½ per cent reserve from Federal-aid interstate funds.
State I.....	Improvements on interstate highway system financed entirely with State funds.
DL-C-I.....	Improvements on interstate highway system by State day labor forces financed with State day labor construction funds.
DL-M-I.....	Improvements on interstate highway system by State day labor forces financed with State day labor maintenance funds.
F.....	Improvements on noninterstate primary highway system financed with Federal-aid and matching State funds.
FG.....	Railroad-highway improvements on noninterstate primary highway system with Federal-aid railroad fund participation.
U.....	Improvements on noninterstate primary highway system in urban area financed with Federal-aid and matching State or municipal funds.
UG.....	Railroad-highway improvements on noninterstate primary highway system in urban area financed mostly with 50 per cent Federal-aid railroad funds and the balance with State funds.
State P.....	Improvements on noninterstate primary highway system financed entirely with State funds.
DL-C-P.....	Improvements constructed by State day labor forces on noninterstate primary highway system financed with State day labor maintenance funds.
State-M.....	Improvements not located on any State highway system financed entirely with State funds.
DL-C-M.....	Improvements not located on any State highway system financed with State day labor construction funds.
S.....	Federal-aid secondary road improvements financed with Federal-aid secondary and matching State or State and County funds.
SU.....	Secondary road improvements, in urban area, financed with Federal-aid secondary and matching State or municipal funds.
US.....	Secondary road improvements, in urban area, financed with Federal-aid and matching State or municipal funds.
USG.....	Railroad-highway improvements on secondary road, in urban area, financed with Federal-aid and matching State or municipal funds.
FH-S.....	Secondary road improvements financed with Forest Highway apportionment of Federal-aid funds.
State-S.....	Secondary road improvements, financed entirely with State funds.
DL-C-S.....	Improvements by State day labor forces on secondary roads, financed with State day labor construction funds.
DL-M-S.....	Improvements by State day labor forces on secondary roads, financed with State day labor maintenance funds.
DL-C-E.....	State day labor construction on nonhighway projects financed with construction funds.

3 ABBREVIATIONS

POC.....	Portland cement concrete
Pavt.....	Pavement
Bit. surf.....	Bituminous surface
Flex. Shldrs.....	Flexible Shoulders
Wdg.....	Widening
Reconst.....	Reconstruction
Ry.....	Railway
RR.....	Railroad
Hwy.....	Highway
Misc. Impvts.....	Miscellaneous Improvements
RC box culv.....	Reinforced concrete box culvert
Comb.....	Combination
Fur. & fab. strl. st. for hwy. gr. sep. struct.....	Furnishing and fabricating structural steel for highway grade separation structure
Excl. fur. of strl. st.....	Excluding furnishing of structural steel
Bit. surf. treat. on flex. base.....	Bituminous surface treatment on flexible base.

V. CONSTRUCTION

1. GENERAL.—The Bureau of Construction has general supervision of all State highway contracts from the time contracts are awarded until construction work is completed and accepted. General construction policies and uniform practices are developed in cooperation with the district offices through field engineers of the Bureau who inspect active State construction projects at intervals during the construction season. Representatives of the Bureau of Construction serve on the Soils Committee, Detour Committee, Specifications Committee, Joint Cooperative Committee, Safety Committee, Liaison Committee, and other committees which deal with problems that concern the Division of Highways.

The Bureau of Construction approves changes in plans involving contract quantities, checks and approves contractors' payment estimates, and audits and approves bills from municipalities, railroads, and utility companies for construction work performed under agreements with the State. Final vouchers for Federal-aid reimbursement are prepared in the Bureau and statistical information relative to construction work is compiled. Contractors' prequalification ratings (as to experience and equipment) are computed in the Bureau of Construction. The Bureau operates core drilling equipment which is used to check the thickness of new portland cement concrete pavements and to obtain specimens for testing purposes.

2. CONTRACT AND DAY LABOR WORK COMPLETED IN 1964.—Table 22 summarizes mileages and quantities of various types of work completed during 1964. The totals include maintenance contract work which is performed under the general supervision of the Bureau of Construction.

The State highway surfacing completed in 1964 included 93.59 miles of interstate highways, 401.25 miles of other primary highways, and 352.55 miles on the secondary system. Other work consisted of placing 1,021,677 square yards of intermittent bituminous resurfacing; grading 28.60 miles under separate contract; building 94 new bridges and rehabilitating 73 others; constructing 192 new grade separation structures and repairing 26; and miscellaneous work. The type and amount of State highway work completed during 1964 by the State, Cook County, and the City of Chicago are shown in Table 23.

Expenditures by the State for highway construction during 1964 are given in Tables 3 and 12 of this report. Projects under contract during 1964 are listed in Table 23 of this section. This list shows the type of work, the contractor, and status of work on each contract at the end of the year.

TABLE 22.—CONSTRUCTION COMPLETED DURING 1964.

CONSTRUCTION									
Type of Construction	Unit	Construction on State Highways						Secondary	Total
		Federal-aid Interstate			Other Primary				
		State	City of Chicago	Cook County	State	City of Chicago	Cook County		
Surfaces:									
PCC pavement.....	Miles	89.84		3.75	66.83	0.67	0.69	7.85	169.63
PCC pavement widening.....	Miles				12.38				12.38
PCC base course (two lanes or more).....	Miles				15.92				15.92
Bituminous concrete surface on flexible base:									
Bituminous concrete, subclass I-11.....	Miles				14.95			5.29	20.24
Bituminous concrete, subclass B-5.....	Miles				9.43			47.14	56.57
Bituminous concrete surfacing on rigid pavement:									
Bituminous concrete, subclass I-11.....	Miles				272.67			11.73	2284.40
Gravel or crushed stone base and bituminous surface course:									
Subclass A-1.....	Miles							13.52	13.52
Subclass A-2, asphalt stabilized base.....	Miles							4.99	4.99
Subclass A-3.....	Miles				5.12			88.57	93.69
Subclass A-3, soil cement base.....	Miles							4.50	4.50
Subclass A-3, cement aggregate base.....	Miles							5.45	5.45
Subclass B-2, asphalt stabilized base.....	Miles							1.66	1.66
Subclass B-3.....	Miles							7.39	7.39
Subclass B-3, soil cement base.....	Miles							7.66	7.66
Bituminous surfacing and reconstruction of existing gravel or crushed stone surface:									
Subclass A-3.....	Miles				2.59			53.63	56.22
Gravel or crushed stone surface:									
Type A.....	Miles							33.13	33.13
Type B.....	Miles							60.04	60.04
Total surfaces.....	Miles	89.84		3.75	399.89	0.67	0.69	352.55	847.39
Intermittent bituminous resurfacing:	Sq. Yds.				958,534			63,143	1,021,677
Subclass I-11 (modified).....									
Grading (separate contracts).....	Miles	8.51			8.27		0.47	11.35	28.60
Structures:									
Bridges, new.....	Number	36		2	32			24	94
Bridges, widened.....	Number				3				3
Bridges, repaired.....	Number	1			69				70
Highway grade separations.....	Number	88	7	19	20				134
Highway grade separations, repaired.....	Number	1			10				11
Railroad grade separations.....	Number	46			12				58
Railroad grade separations, repaired.....	Number				15				15
Bridges, painted.....	Number				74			15	89

¹ This construction was performed in order to prepare old 18-foot and 20-foot rigid pavements for resurfacing with bituminous concrete.

² Includes 108.22 miles of 1½-inch 2-inch surfacing which is the first stage of two-stage construction.

TABLE 23.—CONTRACTS UNDER CONSTRUCTION DURING 1964.
PORTLAND CEMENT CONCRETE PAVEMENT.
STATE CONTRACTS.

Route	Section	County	Contractor	Width in Feet	Mileage Completed 1964	Mileage Uncom- pleted
SBI 2.....	(65, 66)R.....	Woodford.....	Eric Bolander Construction Company.....	24, var.....	6.79.....	.....
SBI 2.....	75-R.....	Lee.....	R. T. Madden Company, Inc.....	24.....	3.12.....	.....
SBI 3.....	7-R, 7-RB, 7RB-1.....	Rock Island.....	McCarthy Improvement Company.....	2@24.....	4.45.....	0.50.....
SBI 3.....	510 Ext.-I.....	St. Clair.....	Cardinal Construction Company.....	24.....	0.05.....	.....
SBI 5.....	43.....	JoDavies.....	Rock Road Construction Company.....	2@24.....	3.53.....	.....
SBI 6.....	32-2-1.....	Whiteside.....	Ladd Construction Company.....	30, 40.....	0.16.....	.....
SBI 8.....	26R-1, 26B-R.....	Livingston.....	J. P. Wetherby Construction Corporation.....	24.....	2.97.....	.....
SBI 14, FAI 57.....	28-3HB-1 & 4-2.....	Franklin.....	E. T. Simonds Const. Co. & J. D. Barter Const. Co.....	2@24.....	1.21.....	.....
SBI 16.....	20-S(I).....	Montgomery.....	Calhoun County Contracting Corporation.....	30, var.....	0.18.....	.....
SBI 17.....	15Z-CS & 15Z-BR.....	Livingston.....	Eric Bolander Construction Company.....	24, var.....	1.13.....	.....
SBI 18.....	9(H, HB, SB).....	Cook.....	Robert R. Anderson Company.....	Var.....	0.24.....	.....
SBI 25, FAI 57.....	10-30, 30(B, B-1, B-2); 23-R.....	Champaign.....	Howell Asphalt Co. & General Paving, Inc.....	24.....	1.54.....	.....
SBI 37.....	2RS-2, 2-BR, 4-2-1, 4-2BR.....	Jefferson-Franklin.....	R. B. Potashnick & D. L. Harrison Com- pany.....	24.....	1.29.....	.....
SBI 53.....	531-2.....	Cook.....	Arcole Midwest Corporation.....	2@36.....	1.28.....	.....
SBI 88.....	101B-1.....	Whiteside.....	Ladd Construction Company.....	24.....	0.33.....	0.10.....
SBI 116.....	(101, 102)A-1, 102-K, 102HB-2(F.E. & D.).....	Tazewell.....	R. A. Cullinan & Son, Inc. & Jansen & Schaefer, Inc.....	24, 2@24.....	1.65.....	.....
SBI 132.....	104Z-1.....	Moultrie.....	Macon County Asphalt Company.....	42, var.....	0.59.....	.....
FA 2, FAI 55, 74.....	57-7-(1), 57-7HB-1, 57-20-(1), 56-R.....	McLean.....	Eric Bolander Const. Co. & Strunk Brothers Co.....	2@24.....	.....	0.55.....
FA 2.....	(66, 67)R.....	Marshall-LaSalle.....	J. P. Wetherby Construction Corporation.....	24, var.....	0.17.....	.....
FA 2.....	(67, 68)R & 68R-B.....	Marshall.....	The Standard Paving Company.....	24, var.....	3.17.....	.....
FA 7.....	(4 & 1)R, 4-BR.....	Kane.....	R. W. Duntzman Company.....	24, var.....	.....	8.26.....
FA 7.....	6R-1 & 5-R.....	Kane.....	E. M. Melahn Construction Company.....	24.....	6.96.....	.....
FA 9.....	24-R, 24R-B.....	Livingston.....	J. P. Wetherby Construction Corporation.....	24.....	2.45.....	.....
FA 9.....	103.....	Warren.....	Robert A. Black, Inc.....	24, 2@24.....	4.73.....	.....
FA 10 Spur, FAI 74.....	X3-16HB-1 & 16.....	Woodford.....	V. O. Hart & Co. & McDougal-Hartmann Co.....	24.....	0.24.....	.....
FA 10.....	13, 14, 13-HB-1.....	Tazewell.....	Sangamo Construction Company.....	2@24.....	0.40.....	.....
FA 13.....	5-2 & 6-2-1.....	Richland.....	Green Construction Company.....	24, var.....	3.73.....	.....
FA 14.....	6-1.....	Williamson.....	E. T. Simonds Const. Co. & J. D. Barter Const. Co.....	2@24.....	.....	4.12.....
FA 29, FAI 74.....	48-26, 21-K.....	Knox.....	Central Engineering Company.....	24.....	.....	0.67.....
FA 30.....	22.....	Bureau.....	Eric Bolander Const. Co. & Strunk Brothers Co.....	24.....	.....	2.25.....
FA 31.....	117-2.....	Peoria.....	McDougal-Hartmann Company.....	2@24.....	1.48.....	.....
FA 61.....	531-2.1.....	Cook.....	Arcole Midwest Corporation.....	2@36.....		0.49.....
FA 61, FAS 116.....	531-3.....	Cook.....	Rock Road Construction Company.....	2@36.....		0.98.....

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FA 101.....	1-R.....	Jackson-Williamson.....	Mitchell Contracting Company.....	24, var.....	0.73.....
FA 133, FAI 55.....	0507-635K & 0507-635K Pt. 2.....	Cook.....	Krug Excavating, Lindahl Bros., Palumbo Excavating, & Kenny Const. Co. of Illinois	2@24, var.....	0.14.....
FA 138, SBI 80.....	(33 & 40)-1 & 116.....	Rock Island.....	Central Engineering Company.....	2@24, 24, var.....	1.33.....
FA 141.....	111-R.....	Whiteside.....	Ladd Construction Company.....	2@24, var.....	1.84.....
FA 182.....	12 & 13.....	Randolph.....	Hoefken Brothers, Inc.....	22.....	2.90.....
FA 194.....	1.....	Winnebago.....	Charles Ind Company.....	2@24.....	3.23.....
FA 194.....	2.....	Winnebago.....	Charles Ind Company.....	2@24.....	2.55.....
FA 194.....	42-CS.....	Boone.....	Charles Ind Company.....	24, 48.....	1.20.....
Art. 8.....	46-V, VB.....	Cook.....	Herlihy Mid-Continent Company.....	26.....	0.12.....
CH 259.....	259-0404-V, VB.....	Cook.....	Herlihy Mid-Continent Company.....	26.....	0.15.....
FAI 55.....	57-4(1).....	McLean.....	McDougal-Hartmann Company.....	2@24.....	3.48.....
FAI 55, 74.....	57-5, 57-19.....	McLean.....	McDougal-Hartmann Company.....	2@24.....	2.12.....
FAI 55.....	57-6.....	McLean.....	S. J. Groves & Sons Co. & McDougal-Hart- mann Co.....	2@24.....	3.59.....
FAI 55, 74, FA 2.....	57-7-(1), 57-7HB-1, 57-20-(1), 56-R.....	McLean.....	Eric Bolander Const. Co. & Strunk Brothers Co.....	2@24.....	1.65.....
FAI 55.....	0101-639.....	Cook.....	J. M. Corbett Company.....	2@36.....	0.57.....
FAI 55.....	0102-631.....	Cook.....	J. M. Corbett Company.....	2@36, var.....	0.83.....
FAI 55.....	0203-632HBK.....	Cook.....	E. H. Swenson & Son, Inc.....	2@36, var.....	0.93.....
FAI 55.....	0404-640.....	Cook.....	Rossi Contractors.....	2@36.....	0.86.....
FAI 55.....	0405-633.....	Cook.....	Contracting & Material Company.....	2@36.....	0.96.....
FAI 55.....	0505-634.....	Cook.....	Robert R. Anderson Co. & Orr Const. Co.....	2@36.....	0.92.....
FAI 55, FA 131.....	0507-635K Pt. 1, 0606-670 Pt. 1.....	Cook.....	Krug Excavating, Lindahl Bros., Thomas M. Madden, Palumbo Excavating, Kenny Const. Co. of Illinois.....	2@36.....	1.35.....
FAI 55, FA 99.....	1112-636, 50-4X.....	Cook.....	The Standard Paving Company.....	2@36, var.....	1.15.....
FAI 55.....	1213-637.....	Cook.....	Contracting & Material Company.....	2@36, var.....	1.10.....
FAI 55.....	1314-638.....	Cook.....	Robert A. Black, Inc. & Bonghi Cartage, Inc.....	2@36.....	0.51.....
FAI 57, SBI 25.....	10-30, 30(B, B-1, B-2); 23-R.....	Champaign.....	Howell Asphalt Co. & General Paving, Inc.....	2@24.....	4.63.....
FAI 57.....	10-33, 33B-2.....	Champaign.....	Parro Const. Corp. & Green Const. of Indi- ana, Inc.....	2@24.....	3.16.....
FAI 57, 74.....	10-34-1, 34-B, 10-5-1, 5-1B, 5-1B-1.....	Champaign.....	Parro Const. Corp. & Green Const. of Indi- ana, Inc.....	2@24.....	2.29.....
FAI 57.....	15, 18-20.....	Coles-Cumberland.....	General Paving Co., Inc. & Howell Asphalt Co.....	2@24.....	4.16.....
FAI 57.....	15-21.....	Coles.....	The Standard Paving Company.....	2@24.....	2.69.....
FAI 57.....	15-22.....	Coles.....	The Standard Paving Company.....	2@24.....	6.63.....
FAI 57.....	18-1, 18-1-1.....	Cumberland.....	Parro Construction Corporation.....	2@24.....	4.94.....
FAI 57.....	25-8 & 87-1.....	Effingham-Shelby.....	Green Construction Company.....	2@24.....	7.70.....
FAI 57.....	28(3, 3-1, 3-2, 3-S, 3HB-2).....	Franklin.....	J. D. Barter Const. Co. & E. T. Simonds Const. Co.....	2@24.....	2.53.....
FAI 57.....	28-5(S, 3, 5), 28-5HB-1.....	Franklin.....	J. D. Barter Const. Co. & E. T. Simonds Const. Co.....	2@24.....	1.73.....
FAI 57.....	41-1, 41-1HB-1.....	Jefferson.....	R. B. Potashnick & D. L. Harrison Co.....	2@24.....	3.94.....
FAI 57.....	46-1.....	Kankakee.....	Arcole Midwest Corporation.....	2@24.....	2.89.....
FAI 57.....	46-1HBK.....	Kankakee.....	Arcole Midwest Corporation.....	2@24.....	6.61.....
FAI 57.....	46-2(1)K, 46-2(2).....	Kankakee.....	Arcole Midwest Corporation.....	2@24.....	0.85.....
FAI 57.....	77-1(3, HB-3, B-3, B-4), 16(RS, BY).....	Pulaski.....	H. H. Mass Construction Company.....	2@24.....	2.16.....
FAI 57, FAS 938.....	77-1-1.....	Pulaski.....	E. T. Simonds Const. Co. & J. D. Barter Const. Co.....	2@24.....	0.51.....
FAI 57.....	77-1-1.....	Pulaski.....	E. T. Simonds Const. Co. & J. D. Barter Const. Co.....	2@24.....	2.44.....

TABLE 23.—Continued.
PORTLAND CEMENT CONCRETE PAVEMENT.—Concluded.
STATE CONTRACTS.—Concluded.

Route	Section	County	Contractor	Width in Feet	Mileage Completed 1964	Mileage Uncom- pleted
FAI 70.....	26-2, 26-3-1, 26-2HB-4, 26-3ACB, 26-3HB-1.....	Fayette.....	S. J. Groves & Sons Company.....	24, 2@ 24.....	.....	5.89
FAI 74, FA 29.....	48-26, 21-K.....	Knox.....	Central Engineering Company.....	2@24.....	.....	2.69
FAI 74.....	48-27.....	Knox.....	Central Engineering Company.....	2@24.....	5.80	.....
FAI 74.....	72(5, 5-I-1).....	Peoria.....	McDougal-Hartmann Company.....	2@24.....	3.99	.....
FAI 74.....	72-6.....	Peoria.....	S. J. Groves & Sons Company.....	2@24.....	1.17	1.25
FAI 74.....	72-7, 7HB-2, 7HB-3, 7-I, 7HB-4.....	Peoria.....	McDougal-Hartmann Company.....	2@24.....	.....	2.96
FAI 74.....	81-2.....	Rock Island.....	Central Engineering Company.....	2@24.....	1.00	.....
FAI 74.....	92-11.....	Vermilion.....	S. J. Groves & Sons Co. & McCalman Const. Co.....	2@24, var.....	4.22	.....
FAI 74.....	92-12, 92-12HB-3.....	Vermilion.....	S. J. Groves & Sons Co. & McCalman Const. Co.....	2@24.....	4.62	.....
FAI 80.....	06(1, 1HB-1; 2, 2-HB, 2-B, 2B-1).....	Bureau.....	S. J. Groves & Sons Co. & Arcole Midwest Corp.....	2@24.....	4.44	.....
FAI 80.....	06-4, 4HB-1.....	Bureau.....	The Standard Paving Company.....	2@24.....	4.82	.....
FAI 270.....	60-1.....	Madison.....	R. B. Potashnick & D. L. Harrison Co.....	2@24.....	.....	1.34
FAI 270.....	60-4.....	Madison.....	Hoeffken Brothers, Inc.....	2@24.....	4.22	.....
FAI 270.....	60-5.....	Madison.....	Hoeffken Brothers, Inc.....	2@24.....	3.25	0.08
FAI 270, 70.....	60-6, 60-6HB, 60-6HB-1 & 60-10K, 60-10HB, 60-10B, 60-10HB-1.....	Madison.....	Hoeffken Brothers, Inc.....	2@24.....	1.00	2.82
FAS 116.....	110-1415.....	Cook.....	Thomas McQueen Company.....	28, 2@24.....	1.31	.....
FAS 256.....	1-R.....	LaSalle.....	Eric Bolander Construction Company.....	24, var.....	1.04	.....
FAS 642.....	18.....	Moultrie.....	Huckaba & Sons Construction Company.....	22.....	3.02	.....
FAS 706.....	58.....	Richland.....	Huckaba & Sons Construction Company.....	24, 26.....	.....	0.44
FAS 855.....	(13, 14, 461)Q.....	Monroe.....	Johnson County Asphalt, Inc. & Johnston Roadbuilders, Inc.....	22.....	0.09	.....
FAS 860.....	22, 22-BR, 22B-1.....	Randolph.....	Pautler Brothers Contractors, Inc.....	20.....	0.52	.....
FAS 906.....	16-CS.....	Williamson.....	Mitchell Contracting Company.....	26.....	.....	0.51
FAS 1060.....	125.....	Winnebago.....	Charles Ind Company.....	2@24.....	.....	0.97
FAS 1305.....	79-R.....	Kankakee.....	Orr Construction Company.....	2@24.....	1.32	.....
FAS 1724.....	26.....	Effingham.....	C. J. Moritz, Inc.....	40.....	0.43	0.10
FAS 1945.....	237.....	St. Clair.....	Keeley Brothers Contracting Company.....	44.....	0.12	0.85
Total miles of portland cement concrete pavement—State contracts.....					164.52	70.29

CITY OF CHICAGO CONTRACTS

FAI 1 Spur, FAI 55.	SW-1717.6-2P.....	Cook.....	Michael J. McDermott & Company.....	2@36.....	0.67	.....
Total miles of portland cement concrete pavement—City of Chicago contracts.....						0.00

COOK COUNTY CONTRACTS.

FA 122.....	145-1717-MFT.....	Cook.....	J. M. Corbett Company.....	48.....	0.69	.....
FAI 55.....	207-0711.2-CF.....	Cook.....	Chatham Paving Co. & The Standard Paving Co.....	2@36.....	3.05	.....
FAI 55.....	207-1616.4-CF, 207-1616.4A-CF.....	Cook.....	W. J. Sheppard & Company.....	2@36.....	0.70	.....
Total miles of portland cement concrete pavement—Cook County contracts.....						0.00
Grand total miles of portland cement concrete pavement.....						70.29

TABLE 23.—Continued.
PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, FULL-WIDTH PORTLAND CEMENT CONCRETE BASE COURSE, AND
FULL-WIDTH FLEXIBLE BASE COURSE.
STATE CONTRACTS.

Route	Section	County	Contractor	Width in Feet	Mileage Completed 1964	Mileage Uncom- pleted
SBI 1	(16, 17, 18)W	Lawrence	Zimmerly Construction Company	24	3.54	
SBI 1	3268-15d-Z-W-1	Cook	Alpha Construction Company	3, 6	3.65	
SBI 24	10-W	Tazewell	Jansen & Schaefer, Inc.	2@4, var.	0.23	0.69
SBI 41	13-W	Knox	Gunther Construction Company	22, var.	1.25	
SBI 53	3277-Z-Y-1	Cook	W. J. Sheppard & Company	24	2.13	
SBI 60	ZRY-Ext. & ZR-1W	Cook	J-P Construction Company	2@3	1.94	
SBI 78	134-R, BY	Fulton	H. H. Mass Construction Company	2@14	2.24	
SBI 97	142-W, 143-W-1	Fulton	Sangamo Construction Company	2@6, var.	1.55	4.52
SBI 133	121W-1, 122-W	Douglas-Coles-Edgar	Champaign Asphalt Company	24	0.23	
FA 65	135	Christian	Berry Const. Co. & C. E. Burgett Const. Co.	2@3	2.10	
				24, var.	4.09	1.04
				24		9.83
				Bit. conc. widen		
				2@3		
				24, var.	5.35	
Total—PCC base course (two lanes or more)					15.92	1.04
Total—PCC widening					12.38	5.21
Total—Bituminous concrete widening					0.00	9.83
Total miles all base course and widening					28.30	16.08

BITUMINOUS CONCRETE SURFACE ON GRAVEL, CRUSHED-STONE, OR SOIL-CEMENT BASE.
STATE CONTRACTS.

Route	Section	County	Contractor	Type	Width in Feet	Mileage Completed 1964	Mileage Uncom- pleted
SBI 37	2RS-2, 2-BR, 4-2-1, 4-2BR	Jefferson-Franklin	R. B. Potashnick & D. L. Harrison Co.	I-11 on flexible base	24	0.87	
FA 140	405, 7, 10(RS)	Montgomery	Sankey Brothers, Inc.	B-5 on flexible base	21, var.	9.43	
FA 155	401-1	Jersey	Bridges Paving Company	I-11 on flexible base	2@24		2.66
FA 158	4RS-1, 5-RS	Pike-Calhoun	Payne & Dolan, Inc.	I-11 on flexible base	22	8.10	
FA 158	5RS-1, 6-RS	Calhoun	Sangamo Construction Company	I-11 on flexible base	22, var.	5.06	

CONSTRUCTION

	Lake.	Erie Bolander Construction Company.	I-11 on flexible base.	24	0.92	 0.50
Senate Bill 275..	McHenry	Lakeland Construction Company, Inc.	B-5 on flexible base.	37		
FAS 19....	McHenry	H. J. Curran Contracting Company.	B-5 on flexible base.	22	1.76	
FAS 29....	Kane.	Geneva Construction Company.	B-5 on flexible base.	20	0.87	
FAS 97....	Kane.	Geneva Construction Company.	B-5 on flexible base.	20	1.31	
FAS 111...	Kane.	Geneva Construction Company.	B-5 on flexible base.	22	0.44	
FAS 130...	Kane.	Glertz-Melahn Asphalt Company, Inc.	B-5 on flexible base.	20.	3.00	
FAS 131...	Kane.	Glertz-Melahn Asphalt Company, Inc.	B-5 on flexible base.	20.	0.69	
FAS 171...	DeKalb.	Stahl Construction Company.	B-5 on flexible base.	20, 38.	1.25	
FAS 198...	Whiteside.	Belvidere Construction Company.	I-11 on flexible base.	20.	0.23	
FAS 316...	Kankakee.	Lehigh Paving Company.	B-5 on flexible base.	22	4.05	
FAS 465...	Tazewell	R. A. Cullinan & Son, Inc.	B-5 on flexible base.	22	5.26	
FAS 470...	Tazewell	R. A. Cullinan & Son, Inc.	B-5 on flexible base.	22	6.15	
FAS 487...	McLean	Eaton Asphalt Company, Inc.	B-5 on flexible base.	20	2.53	
FAS 583...	Schuylser	Sankey Brothers, Inc.	B-5 on flexible base.	20	4.73	
FAS 684...	Edgar.	Frank C. Feutz Company.	I-11 on soil cement base.	22	0.52	
FAS 789...	Marion.	Johnston Roadbuilders, Inc.	B-5 on flexible base.	22		0.57
FAS 793...	Marion.	Johnston Roadbuilders, Inc., Assignee.	B-5 on soil cement base.	22, 38.	2.02	
FAS 806...	Lawrence	Huckaba & Sons Construction Company.	B-5 on flexible base.	40.	0.50	
FAS 822...	Jefferson	Midwest Paving Company.	B-5 on soil cement base.	22	5.88	
FAS 855...	Monroe.	Johnson County Asphalt, Inc. & Johnston Roadbuilders, Inc.	I-11 on flexible base.	22	2.09	
FAS 938,						
FAI 57....	Pulaski.	E. T. Simonds Const. Co. & J. D. Barter Const. Co.	I-11 on flexible base.	22	1.11	
	Lake.	Peter Baker & Son Company.	B-5 on asphalt stabilized base.	22	1.68	
	DeKalb	Stahl Construction Company.	B-5 on flexible base.	20	1.06	
	DuPage.	Arrow Road Construction Company.	I-11 on flexible base.	24	1.97	
	Kankakee	Lehigh Paving Company.	B-5 on flexible base.	20	2.93	
	Kankakee	Lehigh Paving Company.	B-5 on flexible base.	18	1.03	
	Will.	Trygg Paving Company, Inc.	B-5 on flexible base.	22		1.13
	Macon.	Louis Shaw.	I-11 on flexible base.	44, var.		1.10
	Lee.	Ladd Construction Company.	I-11 on flexible base.	20	1.00	
		Total—Subclass I-11 on flexible and soil-cement base.			20.24	7.29
		Total—Subclass B-5 on flexible and soil-cement base.			56.57	2.20
		Total miles of Subclass I-11 and B-5 on flexible and soil-cement base.			76.81	9.49

TABLE 23.—Continued.
BITUMINOUS CONCRETE SURFACING OF RIGID-TYPE PAVEMENTS.
STATE CONTRACTS.

Route	Section	County	Contractor	Sub-class	Width in Feet	Mileage Completed 1964	Mileage Uncompleted
SBI 1, 136.	(18, 19)RS & 104-RS.	Lawrence-Crawford.	Parro Construction Corporation.	I-11.	18, 24, var.	6.30	.....
SBI 1.	(41, 41X)RS-2.	Massac.	Calhoun County Contracting Corporation.	I-11.	2@24, 29.	50.62	.....
SBI 1.	50-Z(W, RS) & 49Z-RS-1.	Edgar.	Frank C. Feutz Company.	I-11.	36, 44, 50.	22.28	.....
SBI 1.	3268-15d-Z-W-1RS.	Cook.	Gallagher Asphalt Corporation.	I-11.	2@24, var.	.....	1.19
SBI 2.	6(W, RS) & 6-BY.	Perry.	Keen Roadbuilders, Inc.	I-11.	24, var.	61.26	.....
SBI 2.	(31, 32, 32-2, 33)RS.	Washington.	Arrow Road Construction Company.	I-11.	24, var.	5.06	.....
SBI 2.	51(W-1, RS-2).	Macon.	Berry Construction Company.	I-11.	30, 42, var.	21.07	.....
SBI 2.	(64, 65) (R, W, RS); 64B-1, 65-BR.	Woodford.	H. H. Mass Construction Company.	I-11.	24.	65.74	.....
SBI 3.	5(W, RS).	Cass.	P. H. Broughton & Sons, Inc.	I-11.	24.	.....	22.30
SBI 4.	(MX-MX Ext.)RS.	Will.	Trygg Paving Company, Inc.	I-11.	42, 44, 48.	0.26	.....
SBI 4.	1964-13RS.	Cook.	George H. Hartong, Inc.	I-11.	40, var.	3.48	0.94
SBI 4A.	4AY-NRM-2-Y-RS.	Cook.	George H. Hartong, Inc.	I-11.	2@30.	1.56	.....
SBI 5.	12RS-1.	McHenry.	Suburban Oil Company.	I-11.	28.5, var.	1.01	.....
SBI 5.	20-1.	Stephenson.	Freeport Blacktop Construction Company.	I-11.	2@24.	.....	50.77
SBI 7A.	(B, D, I-1, I, L, M, N, U, V & W)RS.	LaSalle.	J. P. Wetherby Construction Corporation.	I-11.	18.	112.66	.....
SBI 9.	(10, 11)RS.	McLean-Woodford.	Eaton Asphalt Company, Inc.	I-11.	18.	13.60	.....
SBI 13.	(1, 1XT)RS-2.	Williamson.	Midwest Paving Company.	I-11.	18, 20.	3.88	.....
SBI 13.	5-RS, Q-RS.	Jackson-Williamson.	Coles Asphalt Company.	I-11.	18, 19.	14.39	.....
CH 14.	22, 24-Z(W, RS).	Montgomery.	Litchfield Bituminous Corporation.	I-11.	24.	.....	20.26
SBI 16.	(9Y, 10Y)RS-2.	DuPage.	Black Top Roads Company.	I-11.	40.	6.69	.....
SBI 18.	(14R, 14BR)RS; 15R(RS-1).	Kendall.	Geneva Construction Company.	I-11.	22, 38.	2.64	.....
SBI 18.	(15A, 15R)RS, 15-RS.	DeKalb.	Stahl Construction Company.	I-11.	18, 22, 30.	1.92	.....
SBI 18, 92.	(22 & 22X)RS-1 & 140RS-1.	Bureau-LaSalle.	Ladd Construction Company.	I-11.	18, 22.	9.58	.....
SBI 19.	1964-14RS.	Cook.	Milburn Brothers, Inc.	I-11.	40, var.	.....	2.97
SBI 21.	1964-19RS.	Cook.	Rock Road Construction Company.	I-11.	42.	1.11	.....
SBI 24.	6-R, 8R-1, & (6, 8)RS-1.	Sangamon.	Macon County Asphalt Company.	I-11.	24.	52.71	.....
SBI 24.	10-RS.	Tazewell.	Seneca Petroleum Company, Inc.	I-11.	2@24, var.	1.25	.....
SBI 25.	28Z-RS.	Champaign.	Whetzel Construction Company.	I-11.	2@22, var.	60.95	.....
SBI 25.	28X-1RS.	Champaign.	Champaign Asphalt Company.	I-11.	2@22, 22.	.....	3.26
SBI 29.	(10, 11, 12)RS.	Peoria.	Peoria Blacktop, Inc.	I-11.	22, var.	6.59	.....
SBI 30.	(2, 3, 7 & 8)RS.	Peoria.	George E. Hoffman & Sons, Inc.	I-11.	18.	15.93	.....
SBI 30.	14(R & BR-2).	Stark.	Valley Builders, Inc.	I-11.	24.	.....	50.69
SBI 31.	11(W, RS).	Schuyler.	Freesen Brothers, Inc. & Illinois Valley Asphalt, Inc.	I-11.	24.	64.66	.....

CONSTRUCTION

SBI 34.....	7(W, RS-2, 1B)	Pope.....	Howell Construction Company.....	I-11.....	24.....	20.38.....	.....
SBI 39.....	(10, 11)RS & 12RS-1	DeWitt-Piatt.....	Macon County Asphalt Company.....	I-11.....	18.....	112.37.....	.....
SBI 40.....	(7 & 8)RS.....	Whiteside.....	Rein, Schultz & Dahl, Inc.....	I-11.....	18, var.....	16.81.....	.....
SBI 41.....	13-RS.....	Knox.....	Gunther Construction Company.....	I-11.....	24.....	4.37.....	.....
SBI 42.....	(113F-Ext.)RS.....	Lake.....	Peter Baker & Son Company.....	I-11.....	44.5.....	0.34.....	.....
SBI 42.....	113F-RS.....	Lake.....	Peter Baker & Son Company.....	I-11.....	30, 40.....	0.89.....	.....
SBI 42.....	D-1-1.....	Lake.....	Skokie Valley Asphalt Co., Inc.....	I-11.....	24.....	0.14.....	.....
SBI 47.....	108RS-1, 28-RS.....	Kane.....	Geneva Construction Company.....	I-11.....	18, 20.....	0.72.....	.....
CH 4B.....	109RS-1.....	Kendall.....	Geneva Construction Company.....	I-11.....	56, var.....	0.08.....	.....
SBI 47.....	128-BR.....	Ford.....	Champaign Asphalt Co. & Dwight Shoemaker Bridge Co.....	I-11.....	24.....	0.22.....	.....
SBI 49.....	114W-1, 114RS-1.....	Clark-Coles.....	Champaign Asphalt Co. & The Denver Asphalt Co.....	I-11.....	24.....	65.99.....	.....
SBI 50.....	3068-NRM-2-Z-Y-RS.....	Cook.....	Crowley-Sheppard Asphalt Company.....	I-11.....	24.....	1.14.....	.....
SBI 52.....	1964-12(W, RS-1).....	Cook.....	Gallagher Asphalt Corporation.....	I-11.....	24.....	40.50.....	.....
SBI 53.....	(536W)RS-1.....	Will.....	Materials Paving Company.....	I-11.....	40, var.....	0.33.....	.....
SBI 53.....	3277-Z-Y-1-RS.....	Cook.....	Gallagher Asphalt Corporation.....	I-11.....	2@24.....	2.24.....	.....
SBI 59.....	110-VBR.....	Cook.....	Eric Bolander Construction Company.....	I-11.....	24.....	0.15.....	.....
SBI 59.....	1963-7RS.....	Cook.....	Rock Road Construction Company.....	I-11.....	20, 24.....	1.22.....	.....
FAS 115.....	111(W & RS).....	McHenry.....	H. J. Curran Contracting Company.....	I-11.....	24.....	43.18.....	.....
SBI 60.....	116-RS.....	Ogle.....	Freeport Blacktop Construction Company.....	I-11.....	18.....	15.16.....	.....
SBI 72.....	120-RS.....	Ogle.....	Rockford Blacktop Construction Company.....	I-11.....	18.....	17.05.....	.....
SBI 78, 40.....	108-RS & 11-RS.....	Carroll-JoDavies.....	Rein, Schultz & Dahl, Inc.....	I-11.....	18.....	19.58.....	.....
SBI 78.....	(123, 124, 125, 125X)RS.....	Henry.....	McCarthy Improvement Company.....	I-11.....	18, 20.....	110.76.....	.....
SBI 78.....	(129, 130, 130-S)RS.....	Peoria-Stark.....	George E. Hoffman & Sons, Inc.....	I-11.....	18, var.....	17.82.....	.....
SBI 78.....	134-RS.....	Fulton.....	George E. Hoffman & Sons, Inc.....	I-11.....	24.....	2.09.....	.....
SBI 85.....	(102)RS.....	Mercer.....	Central Engineering Company.....	I-11.....	18.....	14.14.....	.....
SBI 93 Spur.....	107-RS.....	Stark.....	McNeil Asphalt Company.....	I-11.....	18.....	12.34.....	.....
SBI 97, 97A.....	(135, 137, 138, 139)RS.....	Henderson-Warren.....	Coggeshall Construction Company.....	I-11.....	18.....	110.96.....	.....
SBI 97.....	142-RS, 143RS-1.....	Fulton.....	Gunther Construction Company.....	I-11.....	24, 36, var.....	6.42.....	.....
SBI 104.....	126(X, RS-1).....	Morgan.....	Freesen Bros., Inc. & Illinois Valley Asphalt, Inc.....	I-11.....	24.....	51.08.....	.....
SBI 104.....	142, 143(X, RS-1), 142B-1, 143B-1.....	Christian.....	Sangamo Const. Co. & Freesen Bros., Inc.....	I-11.....	24.....	52.29.....	.....
SBI 120, 43.....	(4Z, 101Z)RS.....	Mason.....	Sankey Brothers, Inc.....	I-11.....	24, 35, var.....	41.23.....	.....
SBI 121, 122.....	(107, 108, 126X) (W & RS).....	Tazewell.....	R. A. Cullinan & Son, Inc.....	I-11.....	20, 24, var.....	45.02.....	.....
SBI 121.....	134RS-2.....	Logan.....	Macon County Asphalt Company.....	I-11.....	18.....	0.72.....	.....
SBI 121.....	144-RS.....	Douglas.....	Macon County Asphalt Company.....	I-11.....	20, var.....	0.85.....	.....
SBI 133.....	121-RS-1, 122-RS.....	Douglas-Coles-Edgar.....	Howell Asphalt Company.....	I-11.....	24, var.....	10.87.....	.....
SBI 142A.....	101-I.....	Wayne.....	Midwest Paving Company.....	I-11.....	24.....	40.16.....	.....
SBI 148.....	126(W, RS-2).....	Franklin.....	Midwest Paving Company.....	I-11.....	24.....	46.20.....	.....
SBI 148.....	(129, 129X, 129X-2) (W-1, RS-1).....	Franklin-Williamson.....	Coles Asphalt Company.....	I-11.....	24.....	16.10.....	.....
SBI 149.....	106RS-2.....	Franklin.....	Coles Asphalt Company.....	I-11.....	22, 24, var.....	2.31.....	.....
SBI 149.....	107RS-2.....	Franklin.....	Coles Asphalt Company.....	I-11.....	18.....	17.69.....	.....
SBI 154.....	(108, 108X)-1.....	Perry.....	J. D. Barter Const. Co. & Howell Const. Co.....	I-11.....	24.....	51.32.....	.....
SBI 162, FA 154.....	102RS-2, 13X-RS.....	Bureau.....	Strunk Brothers Company.....	I-11.....	20, 22.....	5.55.....	.....
SBI 168.....	(114, 115)RS.....	Fulton.....	George E. Hoffman & Sons, Inc.....	I-11.....	18.....	4.46.....	.....
FA 5.....	23-S(RS).....	Macoupin.....	Illinois Valley Asphalt, Inc.....	I-11.....	24, var.....	0.27.....	.....
FA 5.....	110X-7.....	Sangamon.....	Sangamo Construction Company.....	I-11.....	36, 2@36.....	50.65.....	.....
FA 5.....	(117-4)RS.....	Montgomery.....	Litchfield Bituminous Corporation.....	I-11.....	24.....	0.60.....	.....

TABLE 23.—Continued.
BITUMINOUS CONCRETE SURFACING OF RIGID-TYPE PAVEMENTS.—Concluded.
STATE CONTRACTS.—Concluded.

Route	Section	County	Contractor	Sub-class	Width in Feet	Mileage Completed 1964	Mileage Uncom- pleted
FA 8, SBI 7...	(EX, EX, JX)RS, F-RS...	Will...	The Crown Rock Asphalt Company...	I-11....	18, 22, var...	8.51	.....
FA 14.....	166Z(W, RS)	St. Clair...	Illinois-Weber, Contractor, Inc.....	I-11....	2@24, 36....	61.00	.....
FA 18.....	2-Z(W, RS)	Marshall...	George E. Hoffman & Sons, Inc. & Philipp J. Hoerr Construction Co.....	I-11....	42, var.....	60.69	.....
FA 23.....	AR-1 & Ext.....	Kane.....	Geneva Construction Company.....	I-11....	2@24.....	62.17	.....
FA 24.....	99(W, RS), 100(R, W, RS) & 37-R.....	LaSalle-Livingston.....	Cephas Williams Company.....	I-11....	43, 33, 26....	51.69	.....
FA 36.....	78-1(W, RS)	Adams.....	Hollenbeak Construction Company.....	I-11....	44.....	60.93	.....
FA 42.....	1964-16RS	Cook.....	Arcole Midwest Corporation.....	I-11....	40, 2@20....	1.30	.....
CHS 135.....	1964-17RS	Cook.....	George H. Hartong, Inc.....	I-11....	42, 46....	.....	2.73
FA 49.....	19X3-1.....	Sangamon.....	Sangamo Construction Company.....	I-11....	24, var.....	60.23	.....
FA 65.....	135-RS	Christian.....	Macon County Asphalt Company.....	I-11....	24, var.....	5.35	.....
FA 73.....	116-X.....	Logan.....	J-P Construction Company.....	I-11....	2@21, 39, var.....	61.45	.....
FA 97.....	1-RS	Kendall.....	Geneva Construction Company.....	I-11....	20.....	3.06	.....
FA 101.....	1-R.....	Jackson-Williamson.....	Mitchell Contracting Company.....	I-11....	22, var.....	.....	0.48
FA 142.....	1Z-RS	Mason.....	Coggeshall Construction Company.....	I-11....	28, var.....	0.32	.....
FA 155.....	401-1.....	Jersey.....	Bridges Paving Company.....	I-11....	40.....	.....	60.38
FA 165.....	(116, 13-G)RS-1.....	Pulaski.....	Edgar Stephens & Sons, Inc.....	I-11....	24.....	20.64	.....
FA 188.....	4, 4(B, B-1, B-2, B-3)	Winnebago.....	Sjostrom Paving Company.....	I-11....	2@24.....	54.59	.....
FAS 8.....	38-RS	Lake.....	Peter Baker & Son Company.....	I-11....	18.....	11.81	.....
FAS 115.....	1963-7RS	Cook.....	Rock Road Construction Company.....	I-11....	20, 24.....	3.53	.....
SBI 59.....	115X(W & RS-1) & 115-B-1	McHenry.....	E. M. Melahn Construction Company.....	I-11....	2@24.....	.....	60.84
FAS 157.....	67-Q.....	Vermilion.....	Danville Construction Company.....	I-11....	22.....	62.03	.....
FAS 498.....	68-Q.....	Champaign.....	Danville Construction Company.....	I-11....	22.....	61.99	.....
FAS 520.....	3.....	Coles.....	General Paving Company, Inc.....	I-11....	2@22, var...	51.14	.....
FAS 674.....	38-Q.....	Macon.....	Huekaba & Sons Construction Company.....	I-11....	22.....	51.23	.....
FAS 1546.....	44-B.....	Effingham.....	J. L. Simmons Company, Inc.....	I-11....	22.....	.....	60.05
FAS 1724.....	26.....	Cook.....	C. J. Moritz, Inc.....	I-11....	26.....	.....	60.11
CH 041.....	1964-21RS	Cook.....	Seneca Petroleum Company, Inc.....	I-11....	40.....	1.89	.....
CH 055, 029.....	3248-15d-Z-C & G.....	Cook.....	Peter J. Crowley Company.....	I-11....	18.....	20.25	.....
CH 062.....	1964-22RS	Cook.....	Chicago Paving & Construction Company.....	I-11....	40.....	0.69	.....
CH 2, 11.....	32RS-1.....	Kane.....	Elgin Giertz-Melahn Asphalt Company, Inc.....	I-11....	18, 54.....	2.82	.....
CH 5A.....	35-RS.....	Kane.....	Lakeland Construction Company, Inc.....	I-11....	18.....	13.06	.....
CH 6.....	29(W, RS)	DuPage.....	Arrow Road Construction Company.....	I-11....	24.....	.....	41.14
CH 7.....	1964-20RS	Cook.....	Allied Asphalt Paving Company.....	I-11....	40.....	1.48	.....

CH 10A.....	N-RS-1.....	Lake.....	Peter Baker & Son Company.....	I-11.....	49.....	0.04.....
CH 21.....	21-RS.....	Rock Island.....	Central Engineering Company.....	I-11.....	22.....	2.25.....
CH 21, FA 60.....	54-RS, OR-I.....	Lake.....	Peter Baker & Son Company.....	I-11.....	18, 48.....	0.58.....
CH 22.....	2-RS.....	McHenry.....	Suburban Oil Company.....	I-11.....	18, 20.....	1.72.....
CH 60.....						
SBI 52.....	1964-12(W, RS).....	Cook.....	Gallagher Asphalt Corporation.....	I-11.....	24.....	42.86.....
CH 123.....	3228B-15d-Z-I.....	Cook.....	Best Built Company of Illinois.....	I-11.....	Var.....	80.34.....
CH 128.....	3072-A-15d-Z-Y.....	Cook.....	Municipal Paving Company.....	I-11.....	2@24, var.....	51.82.....
CH 130.....						
SBI 63.....	3035-15d-Z-Y & RS.....	Cook.....	Rock Road Construction Company.....	I-11.....	2@36.....	52.15.....
CH 165.....	1964-23RS.....	Cook.....	George H. Hartong, Inc.....	I-11.....	40.....	0.96.....

Total miles of bituminous concrete surfacing of rigid-type pavements.....					284.40	62.24
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¹ Nonstandard surfacing which is the first stage of two-stage construction. ² Contract includes widening of existing portland cement pavement with portland cement concrete base course. ³ Contract includes widening of existing portland cement pavement with flexible base course. ⁴ Contract includes widening of existing portland cement pavement with bituminous concrete base course. ⁵ Contract includes construction of full-width portland cement concrete base course. ⁶ Contract includes construction of full-width portland cement concrete base course and widening of existing portland cement concrete pavement prior to resurfacing.						
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TABLE 23.—Continued.
GRAVEL SURFACES.
STATE CONTRACTS.

Route	Section	County	Contractor	Type	Width in Feet	Mileage Completed 1964	Mileage Uncom- pleted
FAS 32.....	2-B.....	Boone.....	Shappert Engineering Company.....	A.....	24, 44	0.25	.....
FAS 233.....	50-G.....	Henry.....	Swords & Dietz.....	B.....	22	3.77	.....
FAS 233.....	51-G.....	Henry.....	Miller & Dilenbeck.....	B.....	22	3.86	.....
FAS 265.....	98-GRS.....	LaSalle.....	LaSalle County Portable, Inc.....	B.....	22	3.87	.....
FAS 347.....	68-G.....	Livingston.....	Walter Warmbir.....	A.....	21	5.56	.....
FAS 357.....	5-G.....	Woodford.....	Vernon Henry.....	B.....	22	2.99	.....
FAS 363.....	11G-I.....	Woodford.....	R. C. Cullinan & Son, Inc.....	B.....	22	1.81	.....
FAS 473.....	46-W.....	McLean.....	Rowe Construction Company.....	B.....	2@2	6.38	1.59
FAS 480.....	117-G.....	Livingston.....	Howard Arnold Construction, Inc.....	A.....	21	3.18	.....
FAS 480.....	161G-1.....	Livingston.....	Howard Arnold Construction, Inc.....	A.....	21	1.77	.....
FAS 486.....	41-B.....	McLean.....	West Construction Company.....	A.....	25	0.35	.....
FAS 687.....	44-B.....	Edgar.....	O & M Construction Company.....	B.....	18	0.55	.....
FAS 703.....	34-B.....	Cumberland.....	A. J. Walker Construction Company.....	B.....	18	2.36	.....
FAS 704.....	42-B.....	Jasper.....	Ben Harrison & Sons.....	A.....	22	0.75	.....
FAS 721.....	14-G.....	Montgomery.....	Litchfield Bituminous Corporation.....	A.....	22	6.36	.....
FAS 798.....	27-G.....	Clay.....	C. H. Rumburg Excavating.....	B.....	20	3.12	.....
FAS 799.....	30-B.....	Clay.....	C. H. Rumburg Excavating.....	B.....	20	2.64	0.51
FAS 924.....	28-G.....	Johnson.....	Dale Denny Construction Company.....	B.....	20	.....	.....
FAS 935.....	25-G.....	Hardin.....	Rigsby & Barnard Construction Company.....	B.....	18	.....	1.90
FAS 1113.....	62-G.....	DeKalb.....	Lakeland Construction Company, Inc.....	B.....	26, 42	.....	3.43
FAS 1235.....	61-G.....	McHenry.....	E. M. Melahn Construction Company.....	A.....	24	.....	0.71
FAS 1253.....	6-G.....	Putnam.....	J. W. Ossola Company, Inc.....	B.....	22	3.02	.....
FAS 1261.....	32G-1.....	Kendall.....	Charles O'Brien & Son Construction Company, Inc.....	B.....	22	1.52	.....
FAS 1271.....	106-G.....	LaSalle.....	LaSalle County Portable, Inc.....	B.....	22, 24	.....	4.22
FAS 1272.....	46-G.....	Grundy.....	S. S. Villand Construction Company.....	B.....	22	1.01	.....
FAS 1278.....	107-G.....	LaSalle.....	J. P. Wetherby Construction Corporation.....	B.....	22	1.35	.....
FAS 1308.....	146X-1G.....	Will.....	Brown & Lambrecht Earthmovers, Inc.....	B.....	22	2.98	.....
FAS 1320.....	139-G.....	Iroquois.....	W. F. Tobey Construction Company.....	A.....	22	2.50	.....
FAS 1328.....	217-G.....	Iroquois.....	D. E. Lynch Const. Co. & D. E. Lynch & R. J. Shanks Construction Co., Inc.....	A.....	22	0.54	.....
FAS 1336.....	157-G.....	Iroquois.....	Reeves Brothers Construction Company.....	A.....	22	.....	2.40
FAS 1336.....	157B-2.....	Iroquois.....	W. B. Clements Company.....	A.....	22	0.17	.....
FAS 1336.....	218-G.....	Iroquois.....	Reeves Brothers Construction Company.....	A.....	22	5.97	.....
FAS 1348.....	15G-2.....	Woodford.....	Davis Brothers—Hock Transfer.....	B.....	22	1.00	.....
FAS 1349.....	40-G.....	Ford.....	Walter Warmbir.....	B.....	22	4.01	.....
FAS 1369.....	38-G.....	Marshall.....	Mitchell Wilson.....	B.....	22	4.16	.....
FAS 1381, 1386.....	5-2RG.....	Peoria.....	Swords & Dietz.....	B.....	24	.....	3.13
FAS 1483.....	116-G.....	McLean.....	Dean Berenz Asphalt Company, Inc.....	B.....	24, 26	.....	2.03

FAS 1584.....	30-G.....	Brown.....	County Day Labor.....	B.....	18.....	3.03.....	.....
FAS 1595.....	35-G.....	Mason.....	W. E. Markword Construction Company.....	B.....	18.....	6.61.....	.....
FAS 1746.....	(2-3, 2-4)G.....	Bond.....	Bituminous Fuel & Oil Company.....	A.....	20.....	5.73.....	.....
FAS 1926.....	44G-1.....	Union.....	Denny & Sons, Inc.....	B.....	22.....	.....	0.54.....
Total—Type A.....				.....	.....	33.13.....	3.11.....
Total—Type B.....				.....	.....	60.04.....	17.35.....
Total miles of gravel surfaces.....				.....	.....	93.17.....	20.46.....

GRAVEL, CRUSHED-STONE, OR SOIL-CEMENT BASE AND BITUMINOUS SURFACE COURSE.
STATE CONTRACTS.

Route	Section	County	Contractor	Type or Subclass	Width in Feet	Mileage Completed 1964	Mileage Uncom- pleted
FH 13.....	37Q-2.....	Alexander.....	Dale Denny Construction Company.....	A-3.....	20.....	0.68.....	.....
FH 13.....	38-Q.....	Alexander.....	Denny & Sons, Inc.....	A-3.....	20.....	.....	0.79.....
Senate Bill 275.....	1.....	McHenry.....	E. M. Melahn Construction Company.....	A-3.....	16, 20.....	0.83.....	.....
Senate Bill 275.....	1.....	McLean.....	Charles O'Brien & Son Construction Com- pany, Inc.....	A-3.....	22.....	.....	1.26.....
Senate Bill 275.....	4.....	Jackson.....	Dale Denny Construction Company.....	A-3.....	16.....	3.61.....	.....
FAS 223.....	59-Q.....	Mercer.....	Princeville Stone Co. & Abingdon Rock Co., Inc.....	A-3.....	22.....	0.70.....	.....
FAS 242.....	U-6Q.....	Bureau.....	Strunk Brothers Company.....	A-3.....	22.....	2.42.....	.....
FAS 249.....	4-5Q.....	Bureau.....	Strunk Brothers Company.....	A-3.....	22.....	2.49.....	.....
FAS 311.....	41-B.....	Kankakee.....	Azzarelli Construction Company.....	A-3.....	20.....	0.16.....	.....
FAS 337.....	9-Q.....	Ford.....	Mason & Meents Construction Company.....	A-2 on asphalt stab, base.....	20.....	2.98.....	.....
FAS 407.....	101-1Q.....	Warren.....	Princeville Stone Co. & Abingdon Rock Co., Inc.....	A-3.....	20.....	1.85.....	.....
FAS 411.....	101-Q.....	Warren.....	Swords & Dietz.....	A-3.....	20.....	5.19.....	.....
FAS 413.....	34-Q.....	Henderson.....	Princeville Stone Company.....	A-3.....	20.....	2.14.....	.....
FAS 413, 1409.....	102-Q.....	Warren.....	Burlington Roadbuilders, Inc.....	A-3.....	20.....	.....	4.38.....
FAS 420.....	47-G.....	Hancock.....	W. L. Miller Company.....	A-1.....	24.....	2.24.....	.....
FAS 432.....	64-G.....	Adams.....	Hollembeak Construction Company.....	A-1.....	22.....	2.88.....	.....
FAS 433.....	45-1G.....	Hanceck.....	Hollembeak Construction Company.....	A-1.....	22.....	.....	1.51.....
FAS 446.....	60-Q.....	Fulton.....	Canton Contractors.....	A-3.....	20.....	.....	5.61.....
FAS 452.....	6-Q.....	Fulton.....	Princeville Stone Company.....	A-3.....	20.....	7.87.....	.....
FAS 529.....	208-Q.....	Platt.....	Lewis Shaw.....	A-3 on soil cement.....	22.....	3.73.....	.....
FAS 556.....	14Q-1.....	Christian.....	County Day Labor.....	A-2.....	24.....	.....	3.94.....
FAS 573.....	20-Q.....	Menard.....	Fresen Brothers, Inc.....	A-3.....	20.....	5.43.....	.....
FAS 579.....	23-Q.....	Cass.....	Fresen Brothers, Inc.....	A-3.....	22.....	1.48.....	.....
FAS 580.....	29-Q.....	Morgan.....	Caldwell Engineering Company.....	A-3.....	22.....	6.58.....	.....

TABLE 23.—Continued.

GRAVEL, CRUSHED-STONE, OR SOIL-CEMENT BASE AND BITUMINOUS SURFACE COURSE.—Concluded.
STATE CONTRACTS.—Concluded.

Route	Section	County	Contractor	Type or Subelass	Width in Feet	Mileage Completed 1964	Mileage Uncom- pleted
FAS 582	19-QR	Brown	Freesen Brothers, Inc. & Illinois Valley Asphalt, Inc.	A-3	22		0.13
FAS 596	39-Q, 14-QR	Pike-Adams	Diamond Construction Company	A-3	20		4.14
FAS 603	37-Q	Pike	C. W. Curtis Construction Company	A-3	22	4.21	
FAS 627	76-Q	Sangamon	Truman L. Flatt & Sons Company, Inc.	A-3 on cement aggregate	22	5.45	
FAS 635	31-B, 103-B	Christian-Sangamon	Neal Lentz Construction, Inc.	A-3	22		0.84
FAS 694	208-Q	Clark	Frank C. Feutz Company	B-3 on soil cement	20	3.15	
FAS 697	42-1Q	Crawford	County Day Labor	B-3	20	1.52	
FAS 697	42-2Q	Crawford	County Day Labor	B-3	20	1.18	
FAS 708	23-B, Q	Effingham	Mautz & Oren, Inc.	A-3	20	0.36	
FAS 732	44-Q	Montgomery	Sangamo Construction Company	A-3	22	2.00	
FAS 786	32-Q	Clinton	Keene Roadbuilders, Inc.	A-3	37		0.55
FAS 801	70-Q	Lawrence	D. M. Lake Construction Company	B-3 on soil cement	20		3.21
FAS 802	54-Q	Richland	Mt. Carmel Sand & Gravel Company	B-3 on soil cement	22	2.00	
FAS 864	2-Q	Perry	Bituminous Fuel & Oil Company	A-3	20	2.83	
FAS 869	11-Q	Jackson	Charles E. Mahoney Company	A-3	20	4.95	
FAS 888	(4, 6, 26)Q	Gallatin	Rigsby & Barnard Construction Company	A-3	20	9.60	
FAS 893	37-Q	Saline	Denny & Simpson Stone Company, Inc.	A-3	20		1.42
FAS 902	(71, 29, 24)Q	Saline-Hardin-Gallatin	Rigsby & Barnard Quarry Co. & Beecher Williams Construction Co.	A-3	18	1.84	
FAS 923	(39 & 41)Q	Union	Dale Denny Construction Company	A-3	20	3.79	
FAS 923	43(Q, B, B-1)	Union	Dale Denny Construction Company	A-3 on waterbound macadam	20		3.65
FAS 938	(16 & 19)Q	Pulaski	Johnson County Asphalt, Inc. & Johnston Roadbuilders, Inc.	A-3	20		2.32
FAS 938	(19 & 24)Q	Pulaski	Bishop Burd	A-3	20	5.00	
FAS 1227	R-6Q	Bureau	Ladd Construction Company	A-3	22		1.42
FAS 1232	HAQ	Bureau	Strunk Brothers Company	A-3	22	2.04	
FAS 1250	12-Q	Bureau	Strunk Brothers Company	A-3	22	2.07	
FAS 1322	39-Q	Ford	Mason & Meents Construction Company	A-2 on asphalt stab. base	20	2.01	
FAS 1372	3-2Q	Stark	Swords & Dietz	A-3	22	2.56	
FAS 1439	46-G	Hancock	Burlington Roadbuilders, Inc.	A-1	24	4.25	
FAS 1490	23-B	DeWitt	Ben Harrison & Sons	A-3	22		0.43
FAS 1539	37-Q	Macon	Berry Const. Co. & C. E. Burgett Const. Co.	B-2 on asphalt stab. base	24	1.66	
FAS 1602	67-Q	Adams	Gem Contracting & Paving, Inc.	A-3	20	2.05	
FAS 1702	44-1Q	Crawford	County Day Labor	B-3	22		1.02
FAS 1703	41-Q	Jasper	Huckaba & Sons Construction Company	B-3	20, 42	4.69	
FAS 1714	42-1Q	Fayette	C. J. Moritz, Inc.	A-3 on soil cement	22	0.77	
FAS 1714	43-Q	Fayette	C. J. Moritz, Inc.	A-3	22	2.61	
FAS 1737	30Q-1	Macoupin	Sangamo Construction Company	A-3	20	2.43	
FAS 1816	33-Q	White	Mt. Carmel Sand & Gravel Company	B-3 on soil cement	22	2.51	
FAS 1900	42-Q	Williamson	Mitchell Contracting Company	A-3	20	3.92	

FAS 1930.....	21-Q.....	Pope.....	B & T Construction Company.....	A-3 on soil cement	20	.....	3.04
FAS 1931.....	30-Q.....	Johnson.....	E. T. Simonds & J. D. Barter Construc- tion Co.....	A-3	20	.....	3.23
FAS 2191.....	34-Q.....	Whiteside.....	V. H. Lawrence & Sons.....	A-1	22	4.15	.....
Total—A-1, gravel or crushed stone base.....							
Total—A-2, gravel or crushed stone base.....							
Total—A-2, asphalt stabilized base.....							
Total—A-3, gravel or crushed stone base.....							
Total—A-3, soil cement base.....							
Total—A-3, cement aggregate base.....							
Total—A-3, waterbound macadam base.....							
Total—B-2, asphalt stabilized base.....							
Total—B-3, gravel or crushed stone base.....							
Total—B-3, soil cement base.....							
Total miles of gravel, crushed-stone, or soil-cement base and bituminous surface course.....							42.89
							138.86

RITUMINOUS SURFACING AND RECONSTRUCTION OF EXISTING GRAVEL OR CRUSHED-STONE SURFACE.
STATE CONTRACTS.

Route	Section	County	Contractor	Type or Subclass	Width in Feet	Mileage Completed 1964	Mileage Uncom- pleted
Other Road No. 1.....	6-I.....	Calhoun.....	Fresen Brothers, Inc. & Illinois Valley Asphalt, Inc.....	A-3	22, var.	2.59	1.28
FAS 265.....	98-Q.....	LaSalle.....	Cephas Williams Company.....	A-3	20	3.87	.....
FAS 272, 289.....	42-Q.....	Grundy.....	Charles O'Brien & Son Construction Com- pany, Inc.....	A-3	20	3.43	.....
FAS 350.....	115-Q.....	McLean.....	Eaton Asphalt Company, Inc.....	A-3	18	2.04	.....
FAS 353.....	80-Q.....	Livingston.....	Mason & Meents Construction Company.....	A-3	20	1.99	.....
FAS 725.....	40-1Q.....	Montgomery.....	Litchfield Bituminous Corporation.....	A-3	20	7.01	.....
FAS 1043.....	44-1Q.....	Ogle.....	Whipple Blacktop Company.....	A-3	22	4.01	.....
FAS 1280.....	97-Q.....	LaSalle.....	Glenn McCann Company.....	A-3	20	3.46	.....
FAS 1300.....	146-Q.....	Kankakee.....	Triangle Construction Company.....	A-3	18	1.22	.....
FAS 1328.....	217-Q.....	Iroquois.....	Mason & Meents Construction Company.....	A-3	20	4.87	.....
FAS 1333.....	141-Q.....	Iroquois.....	Mason & Meents Construction Company.....	A-3	20	3.93	.....
FAS 1347.....	164-Q.....	Livingston.....	Trigo Paving, Inc.....	A-3	20	5.28	.....
FAS 1365.....	103-Q.....	LaSalle.....	J. P. Wetherby Construction Corporation.....	A-3	20	1.99	.....
FAS 1471.....	100-Q.....	McLean.....	Eaton Asphalt Company, Inc.....	A-3	18, 20	2.65	.....
FAS 1479.....	114-Q.....	McLean.....	Dean Berenz Asphalt Company, Inc.....	A-3	18	1.49	.....
FAS 1486.....	106-Q.....	McLean.....	Dean Berenz Asphalt Company, Inc.....	A-3	18	2.42	.....
FAS 1604.....	58-Q.....	Ogle.....	Rockford Blacktop Construction Com- pany.....	A-3	20	2.98	.....
FAS 1736.....	31-Q.....	Macoupin.....	Truman L. Flatt & Sons Company, Inc.....	A-3	18	0.99	.....
Total—Subclass A-3.....							1.28
Total miles of bituminous surfacing and reconstruction of existing gravel or crushed-stone surface.....							1.28

TABLE 23.—Continued.
INTERMITTENT BITUMINOUS RESURFACING—SUBCLASS I-11 (MODIFIED)
STATE CONTRACTS.

Route or District	Section	County	Contractor	Square Yards Completed 1964	Square Yards Uncompleted
1.....	Bit. Resurf. 1964-1.....	McHenry-DeKalb-Kane.....	H. J. Curran Contracting Company.....	36,565	.....
1.....	Bit. Resurf. 1964-2.....	Will.....	Trygg Paving Company, Inc.....	25,261	.....
1.....	Bit. Resurf. 1964-3.....	Various.....	Trygg Paving Company, Inc.....	23,938	.....
1.....	Bit. Resurf. 1964-4.....	DuPage.....	Black Top Roads Company.....	19,159	.....
1.....	Bit. Resurf. 1964-5.....	Lake-McHenry.....	Skokie Valley Asphalt Company, Inc.....	29,584	.....
2.....	Bit. Resurf. 1964-1.....	Winnebago.....	Rockford Blacktop Construction Company.....	21,120	.....
2.....	Bit. Resurf. 1964-3.....	Whiteside-Carroll-JoDavies.....	Rein, Schultz & Dahl, Inc.....	57,435	.....
2.....	Bit. Resurf. 1964-4.....	Rock Island.....	Central Engineering Company.....	21,238	.....
3.....	Bit. Resurf. 1964-1.....	Ford.....	Lehigh Paving Company.....	26,240	.....
3.....	Bit. Resurf. 1964-2.....	LaSalle.....	Cephas Williams Company.....	26,652	.....
3.....	Bit. Resurf. 1964-3.....	LaSalle.....	Cephas Williams Company.....	27,332	.....
3.....	Bit. Resurf. 1964-4.....	Iroquois.....	D. E. Lynch Const. Co. & D. E. Lynch & R. J. Shanks Const. Co.....	34,019	.....
4.....	Bit. Resurf. 1964-1.....	Fulton-Schuylster.....	Coggeshall Construction Company.....	47,625	.....
4.....	Bit. Resurf. 1964-2.....	Knox-Warren.....	Gunther Construction Company.....	47,868	.....
4.....	Bit. Resurf. 1964-3.....	Marshall.....	Hollerich & Walgenback Company.....	44,213	.....
4.....	Bit. Resurf. 1964-4.....	McDonough-Warren.....	Coggeshall Construction Company.....	47,644	.....
5.....	Bit. Resurf. 1964-1.....	Various.....	Huckaba & Sons Construction Company.....	12,130	.....
5.....	Bit. Resurf. 1964-2.....	DeWitt-Macon-Piatt.....	J-P Construction Company.....	9,255	.....
6.....	Bit. Resurf. 1963-1.....	Sangamon-Christian-Menard.....	P. H. Broughton & Sons, Inc.....	59,705	.....
6.....	Bit. Resurf. 1964-1.....	Sangamon-Morgan-Christian.....	Sankey Brothers, Inc.....	72,571	.....
7.....	Bit. Resurf. 1964-1.....	Clay-Edwards-Gallatin-Richland-Wabash-Wayne-White.....	Jefferson Asphalt Company.....	137,774	.....
8.....	Bit. Resurf. 1963-2.....	Various.....	Alpha Asphalt Corporation.....	22,561	.....
8.....	Bit. Resurf. 1964-1.....	Madison-Monroe-St. Clair.....	Thompson Asphalt Company.....	100,667	34,815
9.....	Bit. Resurf. 1964-1.....	Washington-Perry-Franklin-Alexander.....	Gilmore Asphalt Products, Inc.....	71,121	.....
Various.....	1964-105.....	Cook.....	Carlson Asphalt Company, Inc.....	.....	4,600
Various.....	1964-106RS.....	Cook.....	Rock Road Construction Company.....	.....	3,090
Total square yards of intermittent bituminous resurfacing—Subclass I-11 (modified).....				1,021,677	42,505

GRADING.
STATE CONTRACTS.

Route	Section	County	Contractor	Mileage Completed 1964	Mileage Uncompleted
SBI 5.....	44-A & B.....	JoDavies.	Ryan, Inc. of Wisconsin.....	.....	3.90
SBI 116.....	(101, 102)A-1, 102-K, 102HB-2(F. E. & D.).....	Tazewell.....	R. A. Cullinan & Son, Inc. & Jansen & Schaefer, Inc..	3.36	.....
FA 14.....	(5-3, 1-4)A.....	Williamson.....	J. D. Barter Construction Company.....	1.52	.....
FA 133, FAI 55.....	0507-635K, Pt. 1 & 0606-670, Pt. 1.....	Cook.....	Krug Excavating, Lindahl Bros., Thomas M. Mad- den, Palumbo Excavating, Kenny Const. Co. of Illinois.....	0.16	.....
FA 155.....	401-1A.....	Jersey.....	Ryan, Inc.....	2.70	.....
FA 199, FAI 280.....	81-1-1A, 2-A.....	Rock Island.....	R. W. Duntenan Company.....	0.53	.....
FAI 55.....	0507-635A.....	Cook.....	Krug Excavating Co., Lindahl Bros., Thomas M. Madden Co., Palumbo Excavating.....	1.32	.....
FAI 57.....	41-1A.....	Jefferson.....	Tri-State Engineering Company.....	0.18	.....
FAI 74.....	72-6A, 6-B, 6-VB.....	Peoria.....	Sangamo Construction Company.....	0.23	.....
FAI 80.....	37-1A.....	Henry.....	S. J. Groves & Sons Company.....	4.32	.....
FAI 80.....	81-1A.....	Rock Island.....	Krug Excavating, Kenny Const., Lindahl Bros., & Palumbo Excavating.....	1.42	3.19
FAI 280, FA 199.....	81-1-A, 2-A.....	Rock Island.....	R. W. Duntenan Company.....	1.04	.....
FAS 57.....	54-A.....	Stephenson.....	Rockford Blacktop Construction Company.....	6.17	.....
FAS 66.....	55-A.....	Stephenson.....	Thronson Construction Company, Inc.....	1.00	5.64
FAS 1271.....	106-A.....	LaSalle.....	J. P. Wetherby Construction Corporation.....	.....	4.22
FAS 1369.....	38-A.....	Marshall.....	Raymond C. Hoffman.....	4.18	.....
Total miles of earth grading—State contracts.....				28.13	16.95

COOK COUNTY CONTRACTS.

FA 42, FAI 55.....	207-0708.2A-CF.....	Cook.....	Superior Concrete Construction Company.....	0.47	.....
Total miles of earth grading—Cook County contracts.....				0.47	0.00
Grand total miles of earth grading.....				28.60	16.95

TABLE 23.—Continued.
BRIDGES.
STATE CONTRACTS.

CONSTRUCTION					
Route	Section	County	Contractor	Type of Construction	Number Completed 1964 Number Uncompleted
SBI 1.....	Twin Lakes Bridge.	Edgar.....	State Day Labor.....	Bridge repairs.....	1.....
SBI 1.....	16-BR.	Lawrence.....	Mautz & Oren, Inc.....	WF-beam superstructures.....	2.....
SBI 1.....	17-BR.	Lawrence.....	Shaw Contractors & Builders.....	Precast prestressed deck superstructure.....	1.....
SBI 1.....	38D & E-1.....	Johnson.....	State Day Labor.....	Bridge repairs.....	1.....
SBI 1.....	(38D & E) I-1.....	Johnson.....	State Day Labor.....	Bridge repairs.....	1.....
SBI 3.....	13-B-1.....	Whiteside.....	State Day Labor.....	Bridge repairs.....	1.....
SBI 3.....	38-BR.	McDonough.....	Truman L. Flatt & Sons Co., Inc.....	Precast prestressed concrete.....	1.....
SBI 3.....	85B-1.....	Schuyler.....	State Day Labor.....	Bridge repairs.....	1.....
SBI 5.....	4XB-1.....	DuPage.....	State Day Labor.....	Bridge repairs.....	1.....
SBI 5.....	(28 B&C) I.....	JoDavies.....	State Day Labor.....	Bridge repairs.....	1.....
SBI 5.....	44-A & B.....	JoDavies.....	Ryan, Inc. of Wisconsin.....	Parallel continuous WF-beams.....	2.....
SBI 7.....	6B-1-1.....	Henry.....	State Day Labor.....	Bridge repairs.....	1.....
SBI 7.....	11XB-1.....	Bureau.....	State Day Labor.....	Bridge repairs.....	1.....
SBI 8.....	20-B&C-1.....	Iroquois.....	Burnell G. Watson.....	Bridge repairs.....	1.....
SBI 8.....	26B-1, 26B-R.....	Livingston.....	J. P. Wetherby Construction Corp.....	WF-beam.....	1.....
SBI 8.....	50B-1-4.....	Peoria-Tazewell.....	D. J. Mahoney Company.....	Bridge repairs.....	1.....
SBI 9.....	24C-1.....	Hancock.....	Truman L. Flatt & Sons Co., Inc.....	Bridge repairs.....	1.....
SBI 10.....	William Street Bridge.....	Macon.....	State Day Labor.....	Bridge repairs.....	1.....
SBI 12.....	1(B, C) I-3.....	Lawrence.....	State Day Labor.....	Bridge repairs.....	1.....
SBI 13.....	5-D.....	Jackson.....	Howell Construction Company.....	Bridge repairs.....	1.....
SBI 13.....	8-D.....	Saline.....	Superior Structures Company.....	Bridge repairs.....	1.....
SBI 13.....	10-2B.....	Gallatin.....	Tri-State Engineering Company.....	WF-beam.....	1.....
SBI 17.....	1B-R, 1B-1R, 1R-B.....	Kankakee.....	O'Neil Brothers Construction Company.....	Parallel WF-beams & RC slabs.....	3.....
SBI 17.....	15Z-CS & 15Z-BR.....	Livingston.....	Eric Bolander Construction Company.....	RC deck.....	1.....
SBI 18.....	13D-1-1.....	Kendall.....	Glaze Construction Company.....	Widen concrete arches.....	2.....
SBI 24.....	8-BR-1.....	Sangamon.....	J. E. McElroy Construction Company.....	WF-beam.....	1.....
SBI 24.....	8-BR-2.....	Sangamon.....	Neal Lentz Construction, Inc.....	WF-beam.....	1.....
SBI 29.....	CB-1.....	Putnam.....	State Day Labor.....	Bridge repairs.....	1.....
SBI 29.....	5B-1.....	Peoria.....	Plainfield Bridge & Construction, Inc.....	Bridge repairs.....	1.....
SBI 30.....	14(R&BR-2).....	Stark.....	Valley Builders, Inc.....	Precast prestressed concrete I-beam.....	1.....
SBI 31.....	18B-1.....	Fulton.....	Truman L. Flatt & Sons Co., Inc.....	Bridge repairs.....	1.....
SBI 34.....	5C-1.....	Hardin.....	State Day Labor.....	Bridge repairs.....	1.....
SBI 34.....	(1B & 1C) I (235+20).....	Saline.....	State Day Labor.....	Bridge repairs.....	1.....
SBI 34.....	(1B & 1C) I (244+48).....	Saline.....	State Day Labor.....	Bridge repairs.....	1.....
SBI 34.....	7(W, RS-2, BR).....	Pope.....	Howell Construction Company.....	Welded plate girder.....	1.....
SBI 36.....	20-BCD-1.....	Pike-Scott.....	State Day Labor.....	Bridge repairs.....	1.....
SBI 37.....	2RS-2, 2-BR, 4-2-1, 4-2BR.....	Jefferson-Franklin.....	R. B. Potashnick & D. L. Harrison Co.....	Bridge superstructure & WF-beam.....	1.....
SBI 37.....	11B-1-1.....	Franklin.....	State Day Labor.....	Bridge repairs.....	1.....

CONSTRUCTION

SBI 47, 116(122, 123)R, 123-BR, 123BR-1, 123-BY & 114-BR	Livingston	Burnell G. Watson	Widen RC deck girder Precast prestressed concrete beam, precast conc. slab, precast conc. superstructure	1	1
SBI 47	Ford	Champaign Asphalt Co. & Dwight Shoe-maker Bridge Co.	Precast prestressed concrete beam	3	1
SBI 48	Ford	State Day Labor	Bridge repairs	1	1
SBI 48	Ford	State Day Labor	Bridge repairs	1	1
SBI 48	Ford	State Day Labor	Bridge repairs	1	1
SBI 48	Ford	State Day Labor	Bridge repairs	1	1
SBI 48	Ford	State Day Labor	Bridge repairs	1	1
SBI 48	Ford	State Day Labor	Bridge repairs	1	1
SBI 48	McLean	State Day Labor	Bridge repairs	1	1
SBI 48	McLean	State Day Labor	Bridge repairs	1	1
SBI 48	Macon	State Day Labor	Bridge repairs	1	1
SBI 49	Clark	A. J. Walker Construction Company	Precast prestressed concrete deck	1	1
SBI 49	Coles	A. J. Walker Construction Company	Widen RC deck girder	1	1
SBI 54	Cook	State Day Labor	Bridge repairs	1	1
SBI 62, FAS 157	McHenry	E. M. Melahn Construction Company	Bridge repairs	1	1
SBI 65	DuPage	State Day Labor	Bridge repairs	1	1
SBI 72	DeKalb	State Day Labor	Bridge repairs	1	1
SBI 75	Stephenson	State Day Labor	Bridge repairs	1	1
SBI 78	Henry	State Day Labor	Bridge repairs	1	1
SBI 80	Whiteside	State Day Labor	Bridge repairs	1	1
SBI 80	Henry	State Day Labor	Bridge repairs	1	1
SBI 88	Whiteside	Ladd Construction Company	Prestressed box beam RC deck	1	1
SBI 89	Bureau	State Day Labor	Bridge repairs	1	1
SBI 92	Bureau	State Day Labor	Bridge repairs	1	1
SBI 93	Stark	State Day Labor	Bridge repairs	1	1
SBI 93	Stark	State Day Labor	Bridge repairs	1	1
SBI 104	Morgan	Sangamo Construction Company	WF-beam	1	1
SBI 104	Christian	Sangamo Const. Co. & Freesen Bros., Inc.	Precast prestressed concrete	4	1
SBI 108	Macoupin	State Day Labor	Bridge repairs	1	1
SBI 116	Livingston	State Day Labor	Bridge repairs	1	1
SBI 116	Iroquois	State Day Labor	Bridge repairs	1	1
SBI 116	Iroquois	State Day Labor	Bridge repairs	1	1
SBI 116A	Marshall	State Day Labor	Bridge repairs	1	1
SBI 119	Champaign	State Day Labor	Bridge repairs	1	1
SBI 127A	Bond	State Day Labor	Bridge repairs	1	1
SBI 133	Douglas-Coles	A. J. Walker Construction Company	Welded plate, WF-beam & precast prestressed concrete deck superstructures	2	1
SBI 140	Gallatin	State Day Labor	Bridge repairs	1	1
SBI 142	Saline	State Day Labor	Bridge repairs	1	1
SBI 148	Williamson	State Day Labor	Bridge repairs	1	1
SBI 149	Franklin	State Day Labor	Bridge repairs	1	1
SBI 151	Jackson	State Day Labor	Bridge repairs	1	1
SBI 160	Madison	McCann & Company, Inc.	Precast concrete slab	1	1

TABLE 23.—Continued.
BRIDGES.—Continued.
STATE CONTRACTS.—Continued.

Route	Section	County	Contractor	Type of Construction	Number Completed 1964	Number Uncom- pleted
SBI 160	139-B-I	Bond	State Day Labor	Bridge repairs		1
SBI 164	119-B-C-I	Tazewell	R. A. Cullinan & Son, Inc.	Bridge repairs	1	
FA 2	12-1B	Union	Howell Construction Company	Precast concrete slab	1	
FA 4	259-B-I	Jersey	State Day Labor	Bridge repairs		1
FA 5	11X-1B-I	Livingston	State Day Labor	Bridge repairs	1	
FA 5	(12R-1-B)I	Livingston	State Day Labor	Twin bridge repairs	2	
FA 5	(12R-2B, 12-R)I	Livingston	State Day Labor	Twin bridge repairs	2	
FA 5	21-RB-I	Logan	State Day Labor	Bridge repairs	1	
FA 5	23X-1B-I	Logan	State Day Labor	Bridge repairs	1	
FA 7	JB-R, JB-R1	DuPage	Thomas M. Madden Company	Parallel WF-beams		2
FA 9	24-R, 24R-B	Livingston	J. P. Wetherby Construction Corp.	RC slab	1	
FA 13	30-BR	St. Clair	Gorman & Sons, Inc.	RC slab superstructure		1
FA 14	5-3B-1, 5-3B-2	Jackson	Howell Const. Co. & J. D. Barter Const. Co.	WF-beams		2
FA 14	5-3B-3	Williamson	Edgar Stephens & Sons, Inc.	WF-beam	1	
FA 14	5-3B-4	Williamson	Edgar Stephens & Sons, Inc.	WF-beam	1	
FA 14	28-1B-I	St. Clair	State Day Labor	Bridge repairs		1
FA 19	17-B-I	LaSalle	State Day Labor	Bridge repairs	1	
FA 25	4B-1	Christian	C. E. Burgett Construction Company	WF-beam		1
FA 30	22-B	Bureau	Ladd Construction Company	WF-beam	1	
FA 30	22B-1	Bureau	Valley Builders, Inc.	WF-beam	1	
FA 38	B-1-I	Greene-Calhoun	Chism, Inc.	Bridge repairs		1
FA 68	421-B-I	St. Clair	McCann & Company, Inc.	Bridge repairs	1	
FA 77	(91-VB, 91-B)I	Grundy	Ugland & Simpson Construction Co.	Bridge repairs		1
FA 128	1-BR	Clinton	Culbertson Construction Co., Inc.	Widen WF-beam & truss	1	
FA 133	0707-626B	Cook	The Schless Construction Co., Inc.	Parallel WF-beam & plate girder		
FA 150	3B-I	Clinton	State Day Labor	Bridge repairs	2	
FA 155	401-1A	Jersey	Ryan, Inc.	Bridge repairs		1
FA 158	4B-I	Pike	State Day Labor	Precast prestressed	1	
FA 172	15B-I	Peoria-Tazewell	Jansen & Schaefer, Inc.	Bridge repairs	1	
FA 188	4, 4(B, B-1, B-2, B-3)	Winneshago	Sjostrom Paving Company	Bridge repairs		1
Relocated Ill. 56	JB-R2	DuPage	Thomas M. Madden Company	Dual concrete slabs	2	
FAI 55	88B-I	Will	Trygg Paving Company, Inc.	Precast prestressed concrete beam		1
FAI 55	0202-602HB	Cook	Milburn Brothers, Inc.	Bridge repairs		1
FAI 55	0404-676B	Cook	W. E. O'Neil Construction Company	Prestressed concrete I-beam	1	
FAI 55	0707-613B	Cook	Areole Midwest Corporation	Parallel welded plate girders	2	
FAI 55	0707-614B	Cook	Thomas M. Madden Company	Welded plate girders	2	
FAI 55	0707-615B	Cook	Paschen Contractors, Inc.	Welded steel plate girder	1	
FAI 55	0707-616B	Cook	E. J. Albrecht Company	Welded plate girder	1	
FAI 55		Cook		Parallel plate girder & steel beams	2	

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FAI 57	25-6B-1	Efingham	H. H. Mass Construction Company	Parallel WF-beams	2	2
FAI 57	41-1B-1	Jefferson	Tri-State Engineering Company	Parallel WF-beams	2	2
FAI 57	77-1B	Pulaski	Howell Asphalt Company	Parallel WF-beams	2	2
FAI 57	77-1B-1	Pulaski	Howell Const. Co. & J. D. Barter Const. Co.	Parallel WF-beams	2	2
FAI 57	77-1B-2	Pulaski	Howell Const. Co. & J. D. Barter Const. Co.	Parallel WF-beams	2	2
FAI 70	26-2, 26-3-1, 26-2HB-4, 26-3ACB, 26-3HB-1	Fayette	S. J. Groves & Sons Company	Precast concrete slab	1	1
FAI 70	26-3B-1(2)	Fayette	Neal Lentz Construction Company	WF-beam & plate girder	1	1
FAI 70	26-3B-2(2)	Fayette	C. J. Moritz, Inc.	WF-beam	1	1
FAI 70, 270	60-6, 60-6HB, 60-6HB-1 & 60-10K, 60-10HB, 60-10B, 60-10HB-1	Madison	Hoeffken Brothers, Inc.	Parallel WF-beams	2	2
FAI 70	60-11B	Madison	Hoeffken Brothers, Inc.	Parallel WF-beams	2	2
FAI 70	60-11B-1	Madison	Hoeffken Brothers, Inc.	Parallel WF-beams	2	2
FAI 70	60-11B-2	Madison	Hoeffken Brothers, Inc.	Parallel WF-beams	2	2
FAI 70	60-12B	Madison	Gorman & Sons, Inc.	Continuous WF-beams	2	2
FAI 70	82(F & E)	St. Clair	Bethlehem Steel Company	5-span orthotropic super-structure	1	1
FAI 74	57-17B	McLean	West Construction Company	Parallel RC slabs	2	2
FAI 74	X3-16B	Woodford	R. A. Cullinan & Son, Inc.	Dual welded plate girders	2	2
FAI 80	32(47)4-I	Grundy	State Day Labor	Bridge repairs	1	1
FAI 80	37-1B-1	Henry	Shappert Engineering Company	Parallel precast prestressed concrete I-beams	2	2
FAI 80	37-1B-2	Henry	Ladd Construction Company	Parallel plate girders	2	2
FAI 80	81-37-2B	Rock Island-Henry	Shappert Engineering Company	Parallel plate girders	2	2
FAI 80	99-3B	Will	Powers-Thompson Construction Co.	Parallel bridge substructures	2	2
FAI 80	99-3F & E	Will	Vincennes Steel Div. of Novo Industrial Corp.	Parallel WF-beams & truss sub-structures	2	2
FAI 80	99-3D	Will	Ruckman & Hansen, Inc.	Concrete decks	2	2
FAI 80	99-4B-1, 99-4VB	Will	E. H. Swenson & Son, Inc.	Parallel WF-beams	2	2
FAI 90	10X-BR-1963-4	Cook	Wm. J. Frenzel Company	Bridge repairs	1	1
FAI 270	60-B	Madison	Massman Construction Company	Bridge substructure	2	2
FAI 270	60-1B	Madison	Fruin-Colnon Contracting Company	Bridge substructures	2	2
FAI 270	60-1E, 60-1F	Madison	American Bridge Div., U. S. Steel Corp.	Fabrication & erection, parallel truss girders	2	2
FAI 270	60-1D	Madison	Frazier-Davis Const. Co. & Nelson Const. Co., Inc.	Bridge decks	1	1
FAS 32	2-B	Boone	Shappert Engineering Company	RC deck girder	2	2
FAS 198	1-B & 1B-1	Whiteside	Belvidere Construction Company	RC slab & WF-beams	2	2
FAS 311	41-B	Kankakee	Azzarelli Construction Company	Precast prestressed concrete deck	1	1
FAS 325	S-15B-1	Iroquois	State Day Labor	Bridge repairs	1	1
FAS 432	64-G	Adams	Hollenbeak Construction Company	Continuous steel beam	1	1
FAS 433	45-IG	Hancock	Hollenbeak Construction Company	Precast prestressed concrete deck	1	1
FAS 486	41-B	McLean	West Construction Company	Continuous steel WF-beam	1	1
FAS 635	31-B, 103-B	Christian-Saugamon	Neal Lentz Construction, Inc.	Plate girder & WF-beam	1	1
FAS 684	49-B	Edgar	Frank C. Feutz Company	Continuous steel I-beam	1	1
FAS 704	42-B	Jasper	Ben Harrison & Sons	Continuous steel beam	1	1
FAS 798	27-B	Clay	J. E. McElroy Construction Co., Inc.	Steel beam	1	1
FAS 799	30-B	Clay	C. H. Rumburg Excavating	Precast prestressed concrete deck	1	1
FAS 860	22, 22-BR, 22B-1	Randolph	Pautler Brothers Contractors, Inc.	Precast concrete & timber trestle	2	2

TABLE 23.—Continued.
BRIDGES.—Concluded.
STATE CONTRACTS.—Concluded.

Route	Section	County	Contractor	Type of Construction	Number Completed 1964	Number Uncom- pleted
FAS 938, FAI 57	77-1(3, HB-3, B-3, B-4), 16(RS, BY)	Pulaski	E. T. Simonds Const. Co. & J. D. Barter Const. Co.	Widen RC slab		1
FAS 1069	62-B	Ogle	Belvidere Construction Company	RC slab		1
FAS 1235	61-B	McHenry	Belvidere Construction Company	Precast prestressed concrete deck		1
FAS 1235	61B-1	McHenry	Belvidere Construction Company	Precast prestressed concrete deck		1
FAS 1271	106-B	LaSalle	J. P. Wetherby Construction Corp.	Precast concrete slab		1
FAS 1272	46-G	Grundy	S. S. Viland Construction Company	Precast prestressed concrete deck		1
FAS 1336	157B-2	Iroquois	W. B. Clements Company	Precast concrete slab	1	
FAS 1349	40-B	Ford	Burnell G. Watson	Precast prestressed concrete decks	1	
FAS 1369	38-A	Marshall	Raymond C. Hoffman	Precast prestressed concrete	2	
FAS 1381, 1386	5-2RG	Peoria	Swords & Dietz	RC slab	1	
FAS 1414	133-B	Will	Dan Raymond Construction Company	Precast prestressed concrete	1	
FAS 1490	23-B	DeWitt	Ben Harrison & Sons	Continuous steel I-beam	1	
FAS 1539	37-Q	Macon	Berry Const. Co. & C. E. Burgett Const. Co.	Continuous steel girder	1	
FAS 1546	44-B	Macon	J. L. Simmons Company, Inc.	Precast prestressed concrete	1	3
FAS 1595	35-G	Mason	W. E. Markword Construction Company	Precast prestressed concrete deck		
FAS 1714	43-Q	Fayette	C. J. Moritz, Inc.	Precast concrete slab	1	
FAS 1737	30Q-1	Macoupin	Sangamo Construction Company	Precast prestressed concrete	1	
FAS 1930	21-Q	Pope	B & T Construction Company	Continuous steel beam	1	
Senate Bill 275	5-BR	Vermilion	LaNeil Construction Company, Inc.	I-beam deck girder		1
Art. 8	46-V, VB	Cook	Herlihy Mid-Continent Company	Fixed thru truss	1	
CH 7	68B-15d-I	Madison	State Day Labor	Bridge repairs	1	
CH 22 (13)	113B-MFT-I	Champaign	State Day Labor	Bridge repairs	1	
CH 259	259-0404-V, VB	Cook	Herlihy Mid-Continent Company	WF-beam	1	
CHS 6	54-15d-I	Madison	State Day Labor	Bridge repairs		1
CHS 9	U-15d-I	Winnebago	State Day Labor	Bridge repairs	1	
CHS 9	32B-15d-I	Winnebago	State Day Labor	Bridge repairs	1	
CHS 15	Illinois River Bridge at Marseilles	LaSalle	State Day Labor	Bridge repairs	1	
SA 16	8-15d-I	Grundy	State Day Labor	Bridge repairs	1	
SA 18	142-SDC	Cook	State Day Labor	Bridge repairs	1	
SA 48	0202-15d-I	Cook	State Day Labor	Bridge repairs	1	
SA 55	4141-BC-NRM	Cook	State Day Labor	Bridge repairs		1

SA 105	2222-I	Cook	State Day Labor	Bridge repairs	1
SA 150	0505-15d-I	Cook	State Day Labor	Bridge repairs	1
Dist. 2	Bridge Repair 1963-2	Carroll	State Day Labor	Bridge repairs	1
Dist. 2	Bridge Repair 1963-8	Whiteside	State Day Labor	Bridge repairs	1
Dist. 4	Bridge Repair 1964-1	Various	State Day Labor	Bridge repairs	2
Dist. 4	Bridge Repair 1964-3	Peoria	State Day Labor	Bridge repairs	1
Dist. 4	Bridge Repair 1964-4	Hancock	State Day Labor	Bridge repairs	1
Dist. 4	Bridge Repair 1964-6	Stark	State Day Labor	Bridge repairs	1
Dist. 10	Bridge Repair 1964-2	Cook	Glaze Construction Company	Bridge repairs	1
Dist. 10	Bridge Repair 1964-4	Cook	Robert H. Ward, Inc.	Bridge repairs	3
Dist. 10	Bridge Repair 1964-6	Cook	Glaze Construction Company	Bridge repairs	2
Dist. 10	Bridge Repair 1964-7	Cook	Glaze Construction Company	Bridge repairs	2
Dist. 10	Bridge Repair 1964-9	Cook	Robert H. Ward, Inc.	Bridge repairs	2
Total bridges in State contracts				(New..... { Widened..... { Repaired.....	92 3 40

CITY OF CHICAGO CONTRACTS.

FA 99	50-4X-B	Cook	James McHugh Construction Company	Widen double leaf trunnion basculle bridge substructure.	1
FA 99	50-4X-C-E-F	Cook	Overland Construction Company	Superstructure.	1
Total widened bridges in City of Chicago contracts					1

COOK COUNTY CONTRACTS.

FAI 55	207-1616.6-CF	Cook	E. J. Albrecht Company	Parallel continuous WF-beams.	2
Total new bridges in Cook County contracts					0
Grand total—Bridges, new					48
Grand total—Bridges, widened					4
Grand total—Bridges, repaired					40

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TABLE 23.—Continued.
GRADE SEPARATIONS.
STATE CONTRACTS.

Route	Section	County	Contractor	Type of Construction	Number Completed 1964	Number Uncompleted
SBI 1	K-V-I	Cook	State Day Labor	RR separation repairs	1	.....
SBI 2	K-VB-I	LaSalle	State Day Labor	RR separation repairs	1	.....
SBI 2	48Z-SB	Macon	Fisher-Stoune, Inc.	RR plate girder subway	.....	1
SBI 2	67R-SB	Marshall-LaSalle	Ladd Construction Company	RR subway substructure (reconstruction)	.....	.....
SBI 2	67R-SF	Marshall-LaSalle	American Bridge Div., U. S. Steel Corp.	Fabrication	.....	.....
SBI 2	70V-1B-I	LaSalle	State Day Labor	RR separation repairs	1	.....
SBI 3	95VB-I-I	Madison	A. H. Seebold Truck Service & Excavating Co.	RR separation repairs	.....	.....
SBI 5	(21-VB-C)I	Stephenson	State Day Labor	RR viaduct repairs	1	.....
SBI 9	48-ZVD-I	Peoria	State Day Labor	RR separation repairs	.....	1
SBI 12	17V-I	Marion	State Day Labor	RR separation repairs	1	.....
SBI 18	9(H, HB, SB)	Cook	Robert R. Anderson Company	RR separation repairs	.....	1
SBI 18	9-SF, HF	Cook	Robert R. Anderson Company	Hwy. WF-composit beam	5	.....
SBI 22	13-DR	Will	Allied Structural Steel Companies	RR WF-beam	1	.....
SBI 53	531-2HB	Cook	State Day Labor	Fabrication	.....	.....
SBI 53	531-2HB-I	Cook	State Day Labor	RR separation repairs	1	.....
SBI 53	533-H-I	DuPage	Arcole Midwest Corporation	Hwy. continuous WF-beam	1	.....
SBI 59	110-VBR	Cook	Arcole Midwest Corporation	Hwy. parallel continuous WF-beams	2	.....
SBI 75	134-SB	Fulton	Glaze Construction Company	Hwy. separation repairs	1	.....
SBI 95	122VB-I	McDonough	Eric Bolander Construction Company	Widen existing 5-span RR separation	.....	1
SBI 116	(101, 102)A-1, 102-K, 102-HB-2(F.E.&D.)	Tazewell	Jansen & Schaefer, Inc.	RR plate girder subway	1	.....
SBI 120	115V-I	Piatt	Caldwell Engineering Company	RR separation repairs	.....	1
SBI 121	104-VB-I	Tazewell	R. A. Cullinan & Son, Inc. & Jansen & Schaefer, Inc.	Hwy. superstructure	1	.....
SBI 127	110-VB-I	Bond	State Day Labor	RR separation repairs	1	.....
SBI 159	128-VB-I	Madison	D. J. Mahoney Company	RR separation repairs	.....	1
SBI 173	T-13-B-I	Lake	State Day Labor	RR separation repairs	.....	1
FA 2	50-Z-VB	Macon	State Day Labor	Hwy. separation repairs	1	.....
FA 4	67-1HB	Monroe	Fisher-Stoune, Inc.	RR WF-beam	.....	1
FA 7	5-VB	Kane	Hoeffken Brothers, Inc.	Hwy. WF-beam	.....	1
FA 10	13, 14, 13-HB-1	Tazewell	E. M. Melahn Construction Company	RR WF-beam & plate girder	1	.....
FA 10	13-VB	Tazewell	Sangamo Construction Company	Hwy. WF-beam	.....	1
FA 10	13V(F, E)	Tazewell	D. J. Mahoney Company	RR plate girder substructure	.....	1
FA 10	13-VD	Tazewell	American Bridge Div., U. S. Steel Corp.	Fabrication & erection	.....	1
FA 12	36-2VB-I	Bond	D. J. Mahoney Company	RC deck	.....	1
FA 13	5-2VB-1, 5-2HB	Richland	State Day Labor	RR separation repairs		1
			Shaw Contractors & Builders	Hwy. WF-beam	1	

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FA 14	28-1VB-I	St. Clair	State Day Labor	RR separation repairs	1	1
FA 14	28-2HBK	St. Clair	Keeley Brothers Contracting Company	Hwy. WF-beam	1	
FA 25	4-HB	Christian	Culberson Construction Company, Inc.	Hwy. WF-beam	1	
FA 26	139-VB-I	Kankakee	State Day Labor	RR twin separations repair	2	
FA 29	21-HB	Knox	Sweborg Const. Co. & Swords & Dietz	Hwy. parallel WF-beams	2	
FA 29	21(HB-2, SB)	Knox	H. H. Mass Construction Company	Hwy. WF-beam,	1	
				RR WF-beam subway	1	
FA 39	14-HB-I	Champaign	State Day Labor	Hwy. separation repairs	1	
FA 39	14-HB-3-I	Champaign	State Day Labor	Hwy. separation repairs	1	
FA 39	14-HB-4-I	Champaign	State Day Labor	Hwy. separation repairs	1	
FA 61	531-2VHB	Cook	Arcole Midwest Corporation	RR parallel WF-beams	1	
FA 61	531-3HB	Cook	Milburn Brothers, Inc.	Hwy. parallel WF-beams	2	
FA 77	(91-VB, 91-B)I	Grundy	Ugland & Simpson Construction Company	RR separation repairs	2	
FA 94	1-VB-I	Bureau	State Day Labor	RR separation repairs	1	
FA 99	263-0909.1-I	Cook	State Day Labor	Hwy. separation repairs	1	
FA 122	066-0202.1-I	Cook	State Day Labor	Hwy. separation repairs	1	
FA 130, 42	9-HB	Lake	State Day Labor	Hwy. separation repairs	1	
FA 131	61-HB	Kane	Eric Bolander Construction Company	Hwy. welded plate girder	1	
FA 132	5-VB-I	Madison	James E. McElvain Company	Hwy. continuous WF-beam	1	
FA 133	0606-627VB	Cook	State Day Labor	RR separation repairs	1	
			Orr Construction Company	RR parallel welded plate & WF-beams	1	
FA 133	0606-628VB	Cook	Thomas McQueen Company	RR parallel WF-beams	2	
FA 133	0707-610HB	Cook	The Schless Construction Company, Inc.	Hwy. parallel WF-beams	2	
FA 133	0707-617VB	Cook	Orr Construction Company	RR parallel WF-beams	2	
FA 158	4VB-I	Pike	State Day Labor	RR separation repairs	1	
FA 172	14HB-I	Peoria	D. J. Mahoney Company	Hwy. separation repairs	1	
FA 190	521-1HB-1-I	Madison	State Day Labor	Hwy. separation repairs	1	
FA 194	1-HB-2	Winnebago	Belvidere Construction Company	Hwy. WF-beam	1	
FA 194	1-HVB-3, 1-VB	Winnebago	Shappert Engineering Company	RR parallel WF-beams	4	
FA 194	(6, 15 & 14)R-HB	Boone	Shappert Engineering Company	Hwy. WF-beam	1	
FA 199	1-HB	Rock Island	Belvidere Construction Company	Hwy. continuous WF-beam	1	
FA 199	1-HB-1	Rock Island	Belvidere Construction Company	Hwy. WF-beam	1	
FAI 55	32-1HBK-I	Grundy-Will	State Day Labor	Hwy. separation repairs	1	
FAI 55	57-4HB-1	McLean	Valley Builders, Inc.	Hwy. WF-beam	1	
FAI 55	57-4HB-4-I	McLean	State Day Labor	Hwy. separation repairs	1	
FAI 55	57-6HVB	McLean	Culberson Construction Company	RR parallel continuous WF-beams	1	
FAI 55	57-6HBK	McLean	R. A. Cullinan & Sons, Inc. & Hugh Boyle & Sons	Hwy. parallel WF-beams	2	
FAI 55, 74, FA 2	57-7-(1), 57-7HB-1, 57-20-(1), 56-R	McLean	Eric Bolander Const. Co. & Strunk Bros. Co.	Hwy. WF-beam	1	
FAI 55	57-7, 7HB-2, 57-20, 20-HB, 20HB-1	McLean	Ladd Const. Co. & Strunk Brothers Co.	Hwy. WF-beam & dual WF-beams	5	
FAI 55	57-7VB, 7-HB	McLean	Joliet Bridge & Construction Company	RR parallel WF-beams, Hwy. WF-beam	2	
FAI 55	0101-681HB	Cook	The Standard Paving Company	Hwy. WF-beam	1	
FAI 55	0101-682HB	Cook	Telander Brothers Contractors, Inc.	Hwy. welded plate girder	1	
FAI 55	0202-602HB	Cook	Milburn Brothers, Inc.	Hwy. WF-beam	1	
FAI 55	0203-632HBK	Cook	E. H. Swenson & Son, Inc.	Hwy. WF-beam	1	
FAI 55	0404-606VB	Cook	Thomas M. Madden Company	RR parallel welded plate girders	1	
FAI 55	0404-673VB	Cook	Herlihy Mid-Continent Company	RR parallel welded plate girders	2	

TABLE 23.—Continued.
GRADE SEPARATIONS.—Continued.
STATE CONTRACTS.—Continued.

Route	Section	County	Contractor	Type of Construction	Number Completed 1964	Number Uncom- pleted
FAI 55	0404-674HB	Cook	Superior Concrete Construction Company	Hwy. parallel WF-beams	2	.....
FAI 55	0505-607VB	Cook	Herlihy Mid-Continent Company	RR parallel WF-beams	2	.....
FAI 55	0707-608HB	Cook	Robert R. Anderson Company	Hwy. parallel WF-beams	2	.....
FAI 55	0707-611HB	Cook	Robert R. Anderson Company	Hwy. WF-beam	1	.....
FAI 55	0707-675HB	Cook	E. J. Albrecht Company	Hwy. dual welded girders, WF-beams, & welded plate girder	4	.....
FAI 55	1112-619HB	Cook	Thomas McQueen Company	Hwy. parallel welded plate girders	2	.....
FAI 55	1112-671SB	Cook	Thomas McQueen Company	RR deck plate girder subway	1	.....
FAI 55	1112-672SB	Cook	Thomas McQueen Company	RR plate girder subway	1	.....
FAI 55	1212-620VB	Cook	The Standard Paving Company	RR parallel WF-beams	2	.....
FAI 55	1213-621HB	Cook	Contracting & Material Company	Hwy. WF-beam	1	.....
FAI 55	1313-622SB	Cook	Robert R. Anderson Company	RR plate girder subway	1	.....
FAI 55	1313-623SB	Cook	Kenny Construction Company of Illinois	RR thru girder subway	1	.....
FAI 55	1314-624HB	Cook	Superior Concrete Construction Company	Hwy. parallel welded plate girders	2	.....
FAI 55	1414-625HB	Cook	Arcole Midwest Corporation	Hwy. parallel plate girder & WF-beam	2	.....
FAI 57	10-30HB	Champaign	Howell Asphalt Co. & General Paving Co.	Hwy. parallel continuous WF-beams	2	.....
FAI 57	10-30HB-1	Champaign	Culberson Construction Company, Inc.	Hwy. continuous WF-beam	1	.....
FAI 57	10-30HB-2	Champaign	Culberson Construction Company, Inc.	Hwy. WF-beam	1	.....
FAI 57	10-33HB-1, 10-33B-1	Champaign	Howell Asphalt Co. & General Paving Co.	Hwy. WF-beam	2	.....
FAI 57	10-33HB-2	Champaign	Howell Asphalt Co. & General Paving Co.	Hwy. parallel WF-beams	2	.....
FAI 57	10-33-HVB	Champaign	O'Neill Brothers Construction Company	RR parallel WF-beams	1	.....
FAI 57	10-33SB	Champaign	Culberson Construction Company, Inc.	RR plate girder subway	1	.....
FAI 57	10-34HB	Champaign	Howell Asphalt Co. & General Paving Co.	Hwy. continuous steel beam	1	.....
FAI 57	10-34HB-1	Champaign	Whetzel Construction Company	Hwy. parallel WF-beams	2	.....
FAI 57	10-34HB-3	Champaign	Whetzel Construction Company	Hwy. WF-beam	1	.....
FAI 57	15-21HB	Coles	Howell Asphalt Company	Hwy. RC deck girder	1	.....
FAI 57	15-21HB-1	Coles	A. J. Walker Construction Company	Hwy. WF-beam	1	.....
FAI 57	15-22HB	Coles	Howell Asphalt Construction Company	Parallel hwy. WF-beams	2	.....
FAI 57	15-22HB-2	Coles	A. J. Walker Construction Company	Hwy. WF-beam	1	.....
FAI 57	15-22HB-3, 22-B	Coles	Howell Asphalt Company	Hwy. WF-beam	1	.....
FAI 57	15-22VB	Coles	Howell Asphalt Company	RR parallel WF-beams	2	.....
FAI 57	18-1HB-2	Cumberland	Culberson Construction Company, Inc.	Hwy. WF-beam	1	.....
FAI 57	18-1VB	Cumberland	A. J. Walker Construction Company	RR parallel WF-beams	2	.....
FAI 57	18-20HB-1	Cumberland	A. J. Walker Construction Company	Hwy. RC deck girder	1	.....
FAI 57	18-20HB-2	Cumberland	A. J. Walker Construction Company	Hwy. concrete deck girder	1	
FAI 57	25-8HB-4	Effingham	Green Construction Company	Hwy. WF-beam	1	

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FAI 57	28-3HB-1 & 4-2	Franklin	E. T. Simonds Const. Co. & J. D. Barter Construction Co.	Hwy. WF-beam	1
FAI 57	28-3HB-4	Franklin	Howell Const. Co. & J. D. Barter Const. Co.	Hwy. WF-beam	1
FAI 57	28-5SB	Franklin	H. H. Mass Construction Company	RR steel deck plate girder subway	1
FAI 57	41-1, 41-1HB-1	Jefferson	R. B. Potashnick & D. L. Harrison Co.	Hwy. WF-beam	1
FAI 57	41-1HB-2	Jefferson	Tri-State Engineering Company	Hwy. WF-beam	1
FAI 57	46-1HB	Kankakee	Valley Builders, Inc.	Hwy. RC girder	1
FAI 57	46-1HBK	Kankakee	Areole Midwest Corporation	Hwy. continuous RC deck girder	1
FAI 57	77-1HB-2	Pulaski	Howell Asphalt Company	Hwy. parallel concrete deck girders	2
FAI 57, FAS 938	77-1(3, HB-3, B-3, B-4), 16(RS, BY)	Pulaski	E. T. Simonds & J. D. Barter Const. Co.	Hwy. WF-beam	1
FAI 57	77-1VB	Pulaski	Howell Asphalt Company	RR parallel WF-beams	2
FAI 57	0707-1010HB	Cook	W. J. Sheppard & Company	Hwy. WF-beam	1
FAI 57	0707-1011HB	Cook	W. J. Sheppard & Company	Hwy. WF-beam	1
FAI 57	0707-1012HB	Cook	W. J. Sheppard & Company	Hwy. WF-beam	1
FAI 57	0707-1013HB	Cook	W. J. Sheppard & Company	Hwy. WF-beam	1
FAI 64	82-4HB-1	St. Clair	Hoefken Brothers, Inc.	Hwy. parallel WF-beams	2
FAI 70	26-2, 26-3-1, 26-2HB-4, 26-3ACB, 26-3HB-1	Fayette	S. J. Groves & Sons Company	Hwy. WF-beam, Hwy. RC box culvert	2
FAI 70	26-2HB-2	Fayette	Howell Asphalt Co. & General Paving Co.	Hwy. parallel WF-beams	2
FAI 70	26-2VB	Fayette	Howell Asphalt Co. & General Paving Co.	RR parallel WF-beams	2
FAI 70	26-3HB-2	Fayette	Pautler Brothers Contractors, Inc.	Hwy. WF-beam	1
FAI 70	26-3VB-1(2)	Fayette	Culbertson Construction Company, Inc.	RR welded plate girder	1
FAI 70	60-10HB-2	Madison	Nelson Construction Company, Inc.	Hwy. WF-beam	1
FAI 70	60-11HB-1	Madison	Calhoun County Contracting Corporation	Hwy. WF-beam	1
FAI 70	60-12HB-1	Madison	Hoefken Brothers, Inc.	Hwy. continuous WF-beam	1
FAI 70	60-13HB	Madison	Gorman & Sons, Inc.	Hwy. WF-beam	1
FAI 70	60-13HB-1	Madison	Gorman & Sons, Inc.	Hwy. continuous WF-beam	1
FAI 70	60-14HB	Madison	General Contracting Company	Hwy. WF-beam	1
FAI 74	X3-16HB	Woodford	R. A. Cullinan & Son, Inc.	Hwy. WF-beam	1
FAI 74	X3-16HB-1 & 16	Woodford	V. O. Hart & Co. & McDougal-Hartmann	Hwy. WF-beam	1
FAI 74	X3-17HB	Woodford	R. A. Cullinan & Son, Inc.	Hwy. WF-beam	1
FAI 74	X3-17HB-1	Woodford	R. A. Cullinan & Son, Inc.	Hwy. parallel RC slabs	2
FAI 74	10-5-1HB	Champaign	O'Neil Brothers Construction Company	Hwy. WF-beam	1
FAI 74	48-26HB-4	Knox	R. A. Cullinan & Son, Inc., Sweborg Const. Co. & Swords & Dietz	Hwy. parallel WF-beams	2
FAI 74	48-26HB-5	Knox	Sweborg Const. Co. & Swords & Dietz	Hwy. WF-beam	1
FAI 74	48-26HVB	Knox	Sweborg Const. Co. & Swords & Dietz	RR parallel WF-beams	2
FAI 74	57-17HB-2	McLean	West Construction Company	Hwy. WF-beam	1
FAI 74	57-17HB-3	McLean	Rowe Construction Company	Hwy. WF-beam	1
FAI 74	57-18HB	McLean	Rowe Construction Company	Hwy. WF-beam	1
FAI 74	57-18HB-1	McLean	R. A. Cullinan & Son, Inc.	Hwy. WF-beam	1
FAI 74	57-18HB-2	McLean	West Construction Company	Hwy. WF-beam	1
FAI 74	57-18HB-3	McLean	Rowe Construction Company	Hwy. WF-beam	1
FAI 74	57-18VB	McLean	West Construction Company	RR parallel WF-beams	2
FAI 74	57-20HB-2	McLean	West Construction Company	Hwy. WF-beam	1
FAI 74	57-20SB & 57-20HB-3	McLean	Valley Builders, Inc.	RR plate girder, Hwy. parallel WF-beams	2

TABLE 23.—Continued.
GRADE SEPARATIONS.—Continued.
STATE CONTRACTS.—Continued.

CONSTRUCTION						
Route	Section	County	Contractor	Type of Construction	Number Completed 1964	Number Uncom- pleted
FAI 74	72-6A, 6-B, 6-VB	Peoria	Sangamo Construction Company	RR parallel WF-beams	2	
FAI 74	72-7, 7HB-2, 7HB-3, 7-1, 7HB-4	Peoria	McDougal-Hartmann Company	Hwy. WF-beams	1	2
FAI 74	92-11HB-4, 11VB-1	Vermilion	O'Neil Brothers Construction Company	RR parallel WF-beams	2	
FAI 74	92-11HB-5	Vermilion	O'Neil Brothers Construction Company	Hwy. WF-beam	1	
FAI 74	92-11SB	Vermilion	Culberson Construction Company, Inc.	RR plate girder subway	1	
FAI 74	92-11VB	Vermilion	O'Neil Brothers Construction Company	RR parallel WF-beams	2	
FAI 74	92-12HB-4, 92-12B-1, 92-12VB	Vermilion	Culberson Construction Company, Inc.	Hwy. parallel continuous RC deck girders	2	
FAI 80	37-1HB	Henry	The Gould Construction Company	Hwy. parallel WF-beams	2	
FAI 80	37-1HB-1	Henry	Ladd Construction Company	Hwy. WF-beam	1	
FAI 80	37-1HB-2	Henry	H. H. Mass Construction Company	Hwy. WF-beam	1	
FAI 80	37-1VB	Henry	Shappert Engineering Company	RR parallel WF-beams	2	
FAI 80	81-1HB	Rock Island	Shappert Engineering Company	Hwy. parallel WF-beams	2	2
FAI 80	81-1HB-1, 81-1VB	Rock Island	Belvidere Construction Company	RR parallel WF-beams	2	
FAI 80	99-2HB-3	Will	Powers-Thompson Construction Company	Hwy. parallel WF-beams	2	
FAI 80	99-2HB-4	Will	Powers-Thompson Construction Company	Hwy. steel WF-beam	1	
FAI 80	99-2VB	Will	Brown & Lambrecht Earthmovers, Inc. & Ninora Construction Co.	Hwy. parallel continuous steel WF-beams	2	
FAI 80	99-4HB-1	Will	Powers-Thompson Construction Company	RR parallel WF-beams	2	2
FAI 80	99-4B-1, 99-4VB	Will	E. H. Swenson & Son, Inc.	RR parallel WF-beams	2	
FAI 80	99-4-1SB	Will	Joliet Bridge & Construction Company	RR plate girder subway	1	1
FAI 80	99-4-1VB	Will	Eric Rolander Construction Company	RR parallel WF-beams	2	2
FAI 80	99-4-1VB-1	Will	Arcole Midwest Corporation	RR parallel WF-beams	2	2
FAI 80	1314-801HB	Cook	W. J. Sheppard & Company	Hwy. WF-beam	1	1
FAI 94	BR-1964-1X	Cook	Glaze Construction Company	Hwy. separation repairs	8	8
FAI 270	60-4VB-1	Madison	Calhoun County Contracting Corporation	RR separation repairs	1	1
FAI 270	60-5HB	Madison	McCann & Company, Inc.	RR parallel WF-beams	2	
FAI 270	60-5HB-1	Madison	Hoeffken Brother, Inc.	Hwy. WF-beam	1	
FAI 270	60-5HB-2	Madison	Chism, Inc.	Hwy. parallel WF-beams	2	
FAI 270	60-5VB	Madison	Sangamo Construction Company	Hwy. WF-beam	1	
FAI 270	60-5VHB	Madison	Gorman & Sons, Inc.	RR parallel WF-beams	2	
FAI 270, 70	60-6, 60-6HB, 60-6HB-1 & 60-10K, 60-10HB, 60-10B, 60-10HB-1	Madison	Hoeffken Brothers, Inc.	RR parallel WF-beams	2	2
FAI 280	81-1HB-1	Rock Island	Shappert Engineering Company	Hwy. parallel WF-beams, hwy. welded plate girders, hwy. WF-beam	5	5
				Hwy. parallel RC deck girders	2	

FAI 280	81-1VB	Rock Island	J. L. Simmons Company, Inc.	RR parallel WF-beams	2	
FAI 280	81-2HB-1	Rock Island	Belvidere Construction Company	Hwy. WF-beam		1
FAS 106	51-VB	Kane	The Schless Construction Company, Inc.	RR welded plate girder		1
FAS 1548	3-HB	Macon	C. E. Burgett Construction Company	Hwy. WF-beam		1
SA 3A	52-V-15d-I	Madison	State Day Labor	RR separation repairs	1	
SA 66	066-0405.1-I	Cook	State Day Labor	Hwy. separation repairs	1	
SA 119	0810-Y-1-I	Cook	State Day Labor	Hwy. separation repairs	1	
Dist. 2	Bridge Repair 1963-3	Winnebago	State Day Labor	Hwy. separation repairs	1	
Dist. 2	Bridge Repair 1963-4	Winnebago	State Day Labor	Hwy. separation repairs	1	
Dist. 3	Bridge Repair 1964-2	McLean	State Day Labor	RR separation repairs	1	
Dist. 10	Bridge Repair 1963-9	Cook	Brighton Construction Company	RR separation repairs	1	
Dist. 10	Bridge Repair 1964-2	Cook	Glaze Construction Company	RR separation repairs		1
Dist. 10	Bridge Repair 1964-3	Cook	Brighton Building & Maintenance Company	RR separation repairs	1	
Dist. 10	Bridge Repair 1964-5	Cook	Brighton Building & Maintenance Company	RR separation repairs	2	
Dist. 10	Bridge Repair 1964-30	Cook	Albin Carlson & Company	RR subway repairs	1	
Total State contracts for...					108	47
(Highway grade separations.....)					11	11
(Highway grade separation repairs.....)					58	24
Railroad grade separations.....					0	1
Railroad grade separation widening.....					15	16
Railroad grade separation repairs.....						

CITY OF CHICAGO CONTRACTS.

FAI 55	SW-1717.2-1B	Cook	J. M. Corbett Company	Hwy. WF-beam	1	
FAI 55	SW-1717.2-2B	Cook	Leo J. Michuda & Son Company	Hwy. steel WF-beam	1	
FAI 55	SW-1717.4-1VB	Cook	Contracting & Material Company	Hwy. continuous steel beam		1
FAI 55	SW-1717.4-2VB	Cook	J. M. Corbett Company	RR steel girder & beam		1
FAI 55	SW-1717.6-1P	Cook	Thomas McQueen Company	RR welded steel girder subway	1	
FAI 55, FA 1 Spur	SW-1717.6-2P	Cook	Michael J. McDermott & Company	Hwy. elevated structure	2	3
FAI 94	SW-1717.2-3B	Cook	Brighton Building & Maintenance Company	Hwy. elevated & continuous WF-beams		
				Hwy. continuous WF-beam, continuous welded plate girder	2	
Total City of Chicago contracts for.....					7	4
(Highway grade separations.....)					0	2
(Railroad grade separations.....)						

TABLE 23.—Continued.
GRADE SEPARATIONS.—Continued.
COOK COUNTY CONTRACTS.

Route	Section	County	Contractor	Type of Construction	Number Completed 1964	Number Uncom- pleted
FAI 55	207-0708.2A-CF	Cook	Superior Concrete Construction Company	Hwy. WF steel beam	1	
FAI 55	207-1011.1-CF	Cook	Kenny Construction Company of Illinois	Hwy. continuous WF-beam	1	
FAI 55	207-(1414.1, 1415.2, & 1415.3)-CF	Cook	Paschen Contractors & Peter Kiewit Sons' Co.			
FAI 55	207-1515.2-CF	Cook	Arcole Midwest Corporation	Hwy. elevated WF-beams	2	
FAI 55	207-1515.4-CF	Cook	Arcole Midwest Corp. & James McHugh Const. Company	Hwy. elevated WF-beams	2	
FAI 55	207-1516.2-CF	Cook	Robert R. Anderson Company	Hwy. elevated WF steel beam	1	
FAI 55	207-1616.7-CF	Cook	Michael J. McDermott Company	Dual hwy. elevated WF-beams	2	
FAI 55	207-1616.8-CF	Cook	W. E. O'Neil Construction Company	Dual hwy. continuous WF-beams	2	
FAI 55	207-1616.9-CF	Cook	William A. Randolph, Inc.	Dual hwy. continuous WF-beams	2	
FAI 55	207-1616.10-CF	Cook	E. J. Albrecht Company	Dual hwy. continuous WF-beams	2	
FAI 57	068-2122-CF	Cook	W. J. Sheppard & Company	WF-beams	2	
FAI 57	068-2222.3-CF	Cook	Arcole Midwest Corporation	Hwy. continuous WF-beam	1	
				Hwy. continuous WF-beam	1	
Total Cook County contracts for highway grade separations					19	0

Grand total—Highway grade separations	134	51
Grand total—Highway grade separation repairs	11	11
Grand total—Railroad grade separations	58	26
Grand total—Railroad grade separation widening	0	1
Grand total—Railroad grade separation repairs	15	16

BRIDGE PAINTING,
STATE CONTRACTS.

Route or District	Section	County	Contractor	Number Completed 1964	Number Uncom- pleted
FA 10	13-VP	Tazewell	Chonowski Contracting Company		1
FAI 80	99-3P	Will	Cosmopolitan Painting Company, Inc.		2
Dist. 1	Painting 1964-1	McHenry-Lake-DuPage	Mid-States Painting Company	5	
Dist. 2	Painting 1964-1	Various	Cosmopolitan Painting Company, Inc.	17	2
Dist. 3	Painting 1964-1	Bureau-Kankakee-Iroquois	G. B. Charnas Company	6	
Dist. 4	Painting 1964-1	Various	Cosmopolitan Painting Company, Inc.	12	
Dist. 5	Painting 1964-1	Various	Cosmopolitan Painting Company, Inc.	11	
Dist. 6	Painting 1964-1	Various	Northwestern Industries, Inc.	9	
Dist. 7 & 9	Painting 1964-1	Various	Cosmopolitan Painting Company, Inc.	9	
Dist. 8	Painting 1964-1	Jersey-Madison	C & G Painting Corporation	4	
Dist. 10	Painting 1963-1	Cook	Roseland Painting & Decorating Company, Inc.		6
Dist. 10	Expressway Painting 1963-2	Cook	Universal Structural Painting Corporation		
Dist. 10	Painting 1964-1	Cook	J. L. Manta, Inc.	16	18
Total bridges painted				89	29

MISCELLANEOUS.
STATE CONTRACTS.

CONSTRUCTION

Route or District	Section	County	Contractor	Type of Construction	Per Cent Completed 1964	Per Cent Uncompleted
SBI 1.....	I-15d-1.....	Iroquois.....	State Day Labor.....	Repair expansion joint.....	.....	100
SBI 1 Spur	26-I.....	Vermilion.....	State Day Labor.....	Metal handrail.....	95	5
SBI 1.....	31-TS.....	Saline.....	Denny, Guard & Luckett Const. & Maint. Co.....	Traffic signals.....	100	.....
SBI 1.....	3268-15d-Z-W-1-TS.....	Cook.....	A. A. Electric Company.....	Traffic signal reconstruction.....	.....	100
SBI 2.....	38-I.....	Ogle.....	State Day Labor.....	Box culvert repairs.....	5	95
SBI 2.....	55B-I.....	McLean.....	State Day Labor.....	Metal handrail.....	100	.....
SBI 4.....	11X-1(I).....	Livingston.....	Johnston Roadbuilders, Inc. & Trico Paving, Inc.....	Access road surfacing.....	70	0
SBI 4.....	12R-I.....	Livingston.....	State Day Labor.....	Handrail repair.....	100	.....
SBI 4.....	H-I.....	Sangamon.....	State Day Labor.....	Metal handrail.....	100	.....
SBI 4.....	H-I-1.....	Sangamon.....	State Day Labor.....	Metal handrail.....	100	.....
SBI 4A.....	BR-IS.....	Cook.....	National Advertising Company.....	Highway guide signs.....	100	.....
SBI 6, 21.....	1963-2R.....	Cook.....	J-P Construction Company.....	Underpass reconstruction.....	100	.....
SBI 5.....	7Y-I.....	Cook.....	State Day Labor.....	Bridge handrail.....	.....	100
SBI 7.....	4-I.....	LaSalle.....	State Day Labor.....	Metal handrail.....	100	.....
SBI 8.....	50-HL.....	Peoria-Tazewell.....	J. C. Schaefer Electric, Inc.....	Highway lighting system.....	.....	100
SBI 9.....	7-HL.....	Tazewell.....	J. F. Edwards Construction Company.....	Highway lighting.....	100	.....
SBI 9.....	17-I.....	Ford.....	State Day Labor.....	Handrail replacement.....	30	0
SBI 9.....	46-I.....	Peoria.....	D. J. Mahoney Company.....	Pavement repairs.....	100	.....
SBI 10.....	17-I.....	Sangamon.....	State Day Labor.....	Metal handrail.....	100	.....
SBI 10.....	17-I-1.....	Sangamon.....	State Day Labor.....	Metal handrail.....	100	.....
SBI 12, 25, 130.....	6-I, 11-I, (10, 11)I, (124, 125, 126)I.....	Various.....	State Day Labor.....	Ditch cleaning.....	30	0
SBI 13.....	1X-I.....	Williamson.....	State Day Labor.....	Turn lane pavement & storm sewers.....	100	.....
SBI 18.....	9-L.....	Cook.....	A. A. Electric Company.....	Highway lighting system.....	65	0
SBI 18.....	9TS-1.....	Cook.....	A. A. Electric Company.....	Traffic signals.....	100	.....
SBI 18.....	9-SG, 9-SG-1.....	Cook.....	National Advertising Company.....	Traffic signs.....	95	0
SBI 19, 63.....	1964-26R.....	Cook.....	J. M. Corbett Company.....	Underpass reconstruction.....	.....	100
SBI 20.....	14-Y.....	McHenry.....	Suburban Oil Company.....	I-11 on passing lanes.....	100	.....
SBI 20.....	15-I.....	McHenry.....	E. M. Melahn Construction Company.....	Intersection improvement.....	100	.....
SBI 22.....	R-I.....	Kane.....	State Day Labor.....	Bridge handrail.....	.....	100
SBI 22, 42.....	20 & Y(I) & E-RS, M-RS & D-RS(I-I).....	Lake.....	State Day Labor.....	Shoulder surfacing.....	100	.....
SBI 22.....	21-I-2, 21-I-1.....	Lake.....	Peter Baker & Son Company.....	Resurfacing of left turn lanes.....	90	10
SBI 25, 33.....	(7, 8, 9)I & I-1.....	Various.....	State Day Labor.....	Clean & straighten ditches.....	100	.....
SBI 24.....	(L-15-D & L-B)I.....	Tazewell.....	State Day Labor.....	Metal handrail.....	.....	100
SBI 25.....	25-S-Z-1-I-2.....	Champaign.....	Champaign Asphalt Company.....	New pumping units.....	.....	100
SBI 25.....	36-I.....	Iroquois.....	State Day Labor.....	Metal handrail.....	100	.....
SBI 26.....	1BR-I.....	Stephenson.....	State Day Labor.....	Bridge handrail.....	.....	100
SBI 29.....	11-I.....	Peoria.....	Clark Brothers, Inc.....	PCC pavement & curb & gutter.....	5	0

TABLE 23.—Continued.
MISCELLANEOUS.—Continued.
STATE CONTRACTS.—Continued.

Route or District	Section	County	Contractor	Type of Construction	Per Cent Completed 1964	Per Cent Uncompleted
SBI 31	22-HL	Fulton	A. L. Ruff Electrical Contractor	Highway lighting	100	
SBI 31	22(W&RS)	Fulton	Clark Brothers, Inc.	Intersection improvement	100	
SBI 34	7B-I-2	Pope	State Day Labor	Remove temporary bridge		100
SBI 36	11A-I	Adams	State Day Labor	Metal handrail	100	
SBI 36	12B-I	Adams	State Day Labor	Metal handrail		100
SBI 36	12B-I-1	Adams	State Day Labor	Metal handrail		100
SBI 36	13B-I	Adams	State Day Labor	Metal handrail		100
SBI 36	13B-I-1	Adams	State Day Labor	Metal handrail		100
SBI 37	1(W, RS)	Jefferson	Jefferson Asphalt Company	RR crossing improvement		
SBI 39	14-TS	Champaign	Champaign Asphalt Company	Traffic signals	100	
SBI 46	462-D-R	Cook	Thomas M. Madden Company	Removal & replacement of bridge deck	100	
SBI 46	464-Y-I-W	Cook	Bongi Cartage, Inc.	Building removal	5	95
SBI 46	464-Y-I	Cook	Peter J. Crowley Company	Intersection improvement	75	25
SBI 47	106-S/T	Kane	State Day Labor	Culvert reconstruction		100
SBI 50	50-Y-I-R-Ext.	Cook	Leininger Construction Company	Intersection improvement	100	
SBI 50	3068-BR	Cook	Kenny Construction Company of Illinois	Bridge pier reconstruction & channel change		0
SBI 52	525-IRR	Cook	Carlson Asphalt Company, Inc.	Ramp reconstruction	80	
SBI 53	531-2-I	Cook	Flynn Fence & Supply Company	Fencing	100	
SBI 53	3277-Z-Y-1-TS	Cook	Wood Electrical Construction, Inc.	Traffic signals	50	50
SBI 54	541-S-2-TS	Cook	Wood Electrical Construction, Inc.	Modify existing traffic control system	100	
SBI 55	78-4-W	Cook	Speedway Wrecking Company	Building removal	65	0
SBI 60	SY-1-I	Lake	State Day Labor	Intersection improvement	100	
SBI 60	ZRY-Ext., Z-R-1-LS	Cook	Otto Damgaard	Landscaping	75	25
SBI 60	ZRY-Ext., Z-R-1-T	Cook	Rock Road Construction Company	Storm sewers	60	0
SBI 60	ZRY-Ext., Z-R-1-W-TS	Cook	Wood Electrical Construction, Inc.	Traffic signals	35	65
SBI 60	60C-NRM-1-I	Cook	State Day Labor	Sidewalk repairs		100
SBI 64	126Ext.-T	DeKalb	Zimmerman & Kahler, Inc.	R. C. box culvert	100	
SBI 64, FA 131	130-I-2, 59-I	DuPage	State Day Labor	Seal coat on frontage roads	90	10
SBI 69	128-T	Will	D'Andrea Construction Company	Storm sewers	100	
SBI 70	105R-TS-1	Winnebago	Cecil B. Wood, Inc.	Traffic signals	100	
SBI 71	116R-2-I	DeKalb	Stahl Construction Company	Intersection improvement	100	
SBI 72	127S-1	DeKalb	Zimmerman & Kahler, Inc.	Concrete cribwalls	100	
SBI 76	101-A	Boone	Rockford Blacktop Construction Company	Bituminous shoulders		100
SBI 78	104-B-I	JoDavies	State Day Labor	Handrail replacement		100
SBI 80	126-I	Knox	Gunther Construction Company	Intersection improvement	100	
SBI 96	120-I	Hancock	Hollenbeck Construction Company	Intermittent riprapping	100	
SBI 116	112-I	Livingston	State Day Labor	Metal handrail	100	
SBI 120	111-I	DeWitt	State Day Labor	Replace drainage structure	100	
SBI 121, 4	113B-I, 22X-B-I	Logan	State Day Labor	Box culvert repairs	100	
SBI 121	135B-I	Macon	State Day Labor	Handrail replacement	10	0
SBI 148	129-I	Franklin-Williamson	State Day Labor	Shoulder stabilization	100	
SBI 150	130-I	Jackson	State Day Labor	Drainage improvement	100	

CONSTRUCTION

SBI 157	118-H-I	Madison	State Day Labor	Replace handrail	100
SBI 178	P-10-I	LaSalle	State Day Labor	Rumble strips	100
SBI 182	101-B-I	Marion	State Day Labor	Replace existing handrail	100
FA 2	1-1DM	Winnebago	Gregory-Anderson Company	Building removal	2
FA 2	12-1B-1	Union	Howell Construction Company	RC box culverts	100
FA 5	16R-TS	McLean	D & H Electric & Heating Company	Traffic signals	5
FA 5	110X-7TS	Sangamon	Champaign Asphalt Company	Traffic signals	100
FA 6	2Y-I	Winnebago	State Day Labor	Removal of existing medians	100
FA 6	8R-L	Kane-Cook	J. F. Edwards Construction Company	Highway lighting system	100
FA 6	(8R-1)I	Cook	Rock Road Construction Company	Stabilized shoulders	100
FA 7	17R-1VB-I	Whiteside	State Day Labor	Guard rail	100
FA 7	3838-233SR	DuPage-Cook	Abbott Contractors, Inc.	Reconstruction of drainage facilities	100
FA 12	Q-1-I-1	Bond	Clark Brothers, Inc.	Skid & rumble resurfacing	20
FA 12	28-TS	St. Clair-Madison	Frank Hubbard Electric Company	Traffic signals	100
FA 12	28-1TS	St. Clair-Madison	Rite Electric Company	Traffic signals	90
FA 12	31-1B #2	Madison	Illinois-Weber, Contractor, Inc.	Resurfacing test bridge	100
FA 13	(51-23, 51-24)LS	Lawrence	Otto Damgaard	Landscaping	30
FA 14	(26, 27)LS	St. Clair	Nollau Nurseries, Inc.	Landscaping	95
FA 14	28-LS	St. Clair	Central Landscaping, Inc.	Landscaping	5
FA 14	28-LS-1	St. Clair	Nollau Nurseries, Inc.	Landscaping	45
FA 14	28-1K	St. Clair	Illinois-Weber, Contractor, Inc.	Intersection improvement	95
FA 23	R-R-L	Kane	J. F. Edwards Construction Company	Highway lighting	70
FA 36	43-I	Pike	State Day Labor	Impounding dam & channel change	10
FA 42	1964-27	Cook	Rock Road Construction Company	Intersection improvement	100
FA 46	18-I	Will	State Day Labor	Bridge handrail	100
FA 60	(106-1)LS	Lake	Siems Nurseries, Inc.	Seeding	50
FA 77	87-B-D-E-F-P-I	Will	State Day Labor	Counterbalance weights	100
FA 125	035-1212-15d-Z-R	Cook	James McHugh Construction Company	Bridge reconstruction	100
FA 141	X-I	Kane	State Day Labor	Bridge handrail	100
FA 151	(101, 102)LS	Madison	Henry Nurseries, Inc.	Landscaping	65
FA 153	(9, 10)I	Brown-Schuyler	State Day Labor	Base strengthening & seal coat	10
FA 153	11-I	Schuyler	State Day Labor	Seal coat	90
FA 155	401-2LS	Jersey	Carver & Company	Landscaping	100
FA 188	3-TS	Winnebago	Cecil B. Wood, Inc.	Traffic signals	30
FA 194, 2	(1, 2, 3, 4, 5, 6)SG & I & 1-SG	Winnebago	Fosco Fabricators, Inc.	Traffic signs, delineators & fencing	70
FA 199	1-DM	Rock Island	Valley Construction Company	Building removal	30
FA 199	1-DM-1	Rock Island	C. S. Ehinger	Building removal	100
Various	10X-FR-1964-2	Cook	Midwest Fence Corporation	Chain-link fencing	100
FAI 55	(22-1, 22-2)I	DuPage	R. W. Duntzman Company	Paved ditches	40
FAI 55	(22-1HB-4)I	DuPage	Black Top Roads Company	Bituminous concrete median	100
FAI 55	(22-1HB-4)LS	DuPage	State Day Labor	Landscape repair & drainage correction	100
FAI 55	(22-2HB-1)LS	DuPage	State Day Labor	Re-landscaping	80
FAI 55	84-2-I-2	Sangamon	State Day Labor	2" water main	100
FAI 55	84-2LS	Sangamon	Leesley Nurseries, Inc.	Landscaping	35
FAI 55	84-2SG, 3-SG	Sangamon	Meyer Machine, Inc.	Traffic signs & delineators	20
FAI 55	(84-2, 84-3)I	Sangamon	State Day Labor	Filling excavations	75
FAI 55	(84-2, 3)I-1	Sangamon	Wunder Company, Inc.	Fencing	5
FAI 55, FA 196, 25	84-(2, 3)L, 2-L, 8-L	Sangamon	J. F. Edwards Construction Company	Highway lighting system	95
					5

FAI 70	(26-3, 26-4)I	Fayette	Wunder Company, Inc.	Woven wire fence	29	0
FAI 70	(26-5, 25-1-1)LS	Fayette-Effingham	Amalco, Inc.	Landscaping	100	
FAI 70	60-7-I-1	Madison	McCann & Company, Inc.	Paved weigh station approaches	90	10
FAI 70	60-7-I-2	Madison	General Contracting Company	Scale pits		100
FAI 70	60-7-I-3	Madison	Fairbanks Morse, Inc.	Electronic weighing equipment		100
FAI 70	(60-7, 8, 9)LS	Madison	Pine & Company	Landscaping	25	5
FAI 70	(82-5, 6 & 60-6)LS	St. Clair-Madison	Central Landscaping, Inc.	Landscaping	90	10
FAI 70	(82-1, 82-2)T-1-I	St. Clair	R. Dron Electrical Company, Inc.	Pumping station improvement	100	
FAI 70	(82-1, 82-2)LS	St. Clair	Henry Nurseries, Inc.	Landscaping	75	25
FAI 70, FA 4, 132	(82-5, 6 & 60-6)I; (580, 581)I & 6-23-I	Madison-St. Clair	Maclair Asphalt Company, Inc.	Bituminous paved shoulders	100	
FAI 70	(82-5, 6 & 60-6, 7, 8, 9)I-2	St. Clair-Madison	Wunder Company, Inc.	Fencing	90	0
FAI 74	48-27-I	Knox	Midwest Fence Corporation	Fencing	10	90
FAI 74	48-27LS	Knox	The Davey Tree Expert Company	Landscaping		100
FAI 74	72-5LS	Peoria	Midwest Landscape Associates	Landscaping		100
FAI 74	72-8-I-1	Peoria	Cyclone Fence Div., U. S. Steel Corporation	Chain-link fence	100	
FAI 74	72-8HL	Peoria	J. C. Schaefer Electric, Inc.	Highway lighting	44	0
FAI 74	72-9LS, 90-11LS	Peoria-Tazewell	National Landscaping Company, Inc.	Landscaping	22	0
FAI 74, FA 138	81-2HL, 33-1HL	Rock Island	Baer Electric Company, Inc.	Highway lighting	90	10
FAI 74, 80	81-2SG & I, (06-1, 2, 3, & 4)SG, (06-5, 6 & 7)SG	Rock Island-Bureau	Meyer Machine, Inc.	Traffic signs, delineators, fencing	100	
FAI 74	81-3WS & (81-2-1, 81-3)I	Rock Island-Henry	J. L. Simmons Company, Inc.	Pavement & fencing for weigh station	20	0
FAI 74	81-3WS-1	Rock Island	Quad-City Construction Company	Weigh stations	100	
FAI 74	81-3WS-2	Rock Island	Fairbanks, Morse & Company	Electronic weighing equipment		20
FAI 74	90(14)LS	Tazewell	Midwest Landscape Company	Landscaping	73	2
FAI 74	90(14-1)LS	Tazewell	Midwest Landscape Company	Landscaping	45	5
FAI 74	90-(15-1, 15)LS	Tazewell	Midwest Landscape Company	Landscaping	88	10
FAI 74	92(11, 12)L	Vermilion	Champaign Asphalt Company	Highway lighting	25	75
FAI 74	92-11HB-6	Vermilion	O'Neil Brothers Construction Company	Pedestrian bridge	100	
FAI 80	06-5LS	Bureau	The Davey Tree Expert Company	Landscaping	25	75
FAI 80	06-6LS	Bureau	The Davey Tree Expert Company	Landscaping	25	75
FAI 80	06-7LS	Bureau	The Davey Tree Expert Company	Landscaping	25	75
FAI 80	50-2-I	LaSalle	J. P. Wetherby Construction Corporation	Shoulder surfacing	100	
FAI 80	50-2LS	LaSalle	Midwest Landscape Company	Landscaping	40	60
FAI 80	50-3LS	LaSalle	Leonard Myers Landscape Contractor, Inc.	Landscaping	57	18
FAI 80	37(2, 3 & 4)LS	Henry	Otto Damgaard	Landscaping	60	10
FAI 80	(99-1HB-1)I, (99-1HB)I Dist. 1 Road Guard 1964-2	Will	Trygg Paving Company, Inc.	Bit. surfacing of twp. roads & cable road guard	100	
FAI 80	99-2DM	Will	State Wrecking Company, Inc.	Building removal	40	15
FAI 80	(99-3, I-D-2, 10)DM	Will	C. S. Ehinger	Building removal	5	15
FAI 80, 90, 94	(99-4)DM	Will	Bongi Cartage, Inc.	Building removal	65	25
FAI 80, 90, 94	2426-705SG-1, 0312-705SG-1, 0211-458SG-1	Cook	Wood Electrical Construction, Inc.	Traffic signs, signals & electrical service installations	15	0

TABLE 23.—Continued.
MISCELLANEOUS.—Continued.
STATE CONTRACTS.—Continued.

Route or District	Section	County	Contractor	Type of Construction	Per Cent Completed 1964	Per Cent Uncompleted
FAI 90, FA 188..	(X2-1)LS, 6-LS..	Winnebago..	Federal Landscaping Company..	Landscaping..	10	0
FAI 90..	10X-F&G-1963-3..	Cook..	Midwest Fence Corporation..	Guard rail & fence..	100	
FAI 90..	100T-3..	DuPage-Cook..	E. M. Melahn Construction Company..	Shoulder repair & drainage correction..	20	80
FAI 90..	2430-1964-2BR-PP..	Cook..	J-P Construction Company..	PCC patching..	100	
FAI 90..	3331-231-I..	Cook..	Peter J. Crowley Company..	Miscellaneous construction..	100	
FAI 90..	3334-250SG..	Cook..	L & S Construction Company..	Traffic actuated information signs..	25	75
FAI 90..	3334-250TS..	Cook..	L & S Construction Company..	Ramp metering traffic control systems..	100	
FAI 94..	(49-1)I-1..	Lake..	Eric Bolander Construction Company..	Shoulder resurfacing..	80	20
FAI 94..	2020-902-I..	Cook..	Peter J. Crowley Company..	Pile bents encasement..	100	
FAI 94..	2022-931LS..	Cook..	Shur-Deth Exterminating Company..	Landscaping..	40	0
FAI 270..	(60-2, 3)SG..	Madison..	Chaney Fence Corporation..	Traffic signs & delineators..	5	95
FAI 270, FA 132..	(60-3)I, (5-10, 6-3)I..	Madison..	McCann & Company, Inc..	Stabilized shoulders..	90	10
FAI 280, 74	(81-2, 81-3, 37-1)LS..	Rock Island-Henry..	Leonard Myers Landscape Contractor, Inc..	Landscaping..	30	0
FAS 106..	93-LS..	Kane..	Siems Nursery, Inc..	Landscaping..	50	50
FAS 256..	1-BDM..	LaSalle..	McCarthy Improvement Company..	Bridge removal..	100	
Various..	54-TS..	Wayne..	County Day labor..	Traffic signs..		100
FAS 421..	44-LS..	Hancock..	Leonard Myers Landscape Contractor, Inc..	Landscaping..	100	
FAS 694 to 698 incl. & 1698, 1701..	45-TS..	Crawford..	County Day Labor..	Traffic signs..	100	
CH 16..	2527-I..	Cook..	State Day Labor..	Resurface bridge floor..		100
CH 26..	P-15-D-I..	Vermilion..	State Day Labor..	Metal handrail..	95	5
CH 28..	65-B..	Lake..	Eric Bolander Construction Company..	CMP pipe arch culvert..	100	
CH 31..	109-T..	Kane..	State Day Labor..	Culvert reconstruction..	100	
CH 102..	540-T..	Cook..	George D. Hardin, Inc..	Storm sewers..	100	
CH 123..	3228B-15d-Z-I-TS..	Cook..	Hecker & Company, Inc..	Traffic signals..	80	20
CH 128..	3072A-15d-Z-Y-TS..	Cook..	Hecker & Company, Inc..	Traffic signals..	20	80
CH 139, 141..	1964-24R..	Cook..	J. M. Corbett Company..	Underpass reconstruction..		100
CH 171, FA 5..	1963-T-1..	Cook..	Peter J. Crowley Company..	Culvert reconstruction..	100	
CHS 2A..	44B-I-1..	Will..	State Day Labor..	Culvert reconstruction..	100	
CHS 130..	3035-15d-Z-Y-TS..	Cook..	Wood Electrical Construction, Inc..	Traffic signals..		100
CHS 189, SBI 49, 51..	1964-25R..	Cook..	Brighton Building & Maintenance Company..	Underpass reconstruction..		100
CHS 257..	1964-1-T..	Cook..	Alsterda Cartage & Construction Company..	Storm sewers..	100	

CONSTRUCTION

Senate Bill 275..	2.....	Lake.....	State Day Labor.....	Bituminous surfacing of drive & parking lot.....	100	100
Senate Bill 275..	3.....	Jersey.....	Freesen Bros., Inc. & Illinois Valley Asphalt.	Repairs to drives & parking lots.....	100	100
Senate Bill 275..	New Salem State Park Road..	Menard.....	State Day Labor.....	New bridge deck & road improvement.....	100	100
Senate Bill 1142.	3-DM.....	Whiteside.....	Ladd Construction Company.....	Building removal.....	100	100
Dist. 1.....	Historical Markers 1963-1.....	Kendall-McHenry-Lake.....	State Day Labor.....	Historical marker sites.....	100	100
Dist. 1.....	Historical Marker Turnout 1964-1.....	DeKalb.....	State Day Labor.....	Driveways & parking areas.....	100	100
Dist. 1.....	Roadside Rest Stops 1963-1.....	DeKalb-Will-DuPage.....	State Day Labor.....	Rest stops.....	100	100
Dist. 1.....	Roadside Rest Stop 1964-1, Site No. 01-401.....	DeKalb.....	State Day Labor.....	Rest stop.....	100	100
Dist. 1.....	Roadside Rest Stop 1964-1, Site No. 01-402.....	McHenry.....	State Day Labor.....	Rest stop.....	100	100
Dist. 1.....	Roadside Rest Stop 1964-1, Site No. 01-501.....	McHenry.....	State Day Labor.....	Rest stop.....	100	100
Dist. 1 & 10.....	Thermoplastic Pavement Marking 1963-1.....	Various.....	Cataphote Corporation.....	Pavement marking.....	70	0
Dist. 1 & 10.....	Thermoplastic Pavement Marking 1964-1.....	Various.....	Perma-Line Midwest Corporation.....	Pavement markings.....	100	100
Dist. 1.....	Storage Area Resurf. 1964-1.....	Lake.....	Peter Baker & Son Company.....	Resurfacing of storage area...	100	0
Dist. 1.....	Traffic Signals 1963-4.....	Lake.....	Rivano Company, Inc.....	Traffic signals.....	40	100
Dist. 1.....	Traffic Signals 1964-1.....	Lake-McHenry.....	Rivano Company, Inc.....	Traffic signals.....	100	100
Dist. 1.....	Traffic Signals 1964-2.....	DuPage.....	Virgil Cook & Son, Inc.....	Traffic signals.....	100	100
Dist. 1.....	Traffic Signals 1964-3.....	Lake.....	Aldridge Electric, Inc.....	Modernize traffic signals.....	100	100
Dist. 1.....	Traffic Signals 1964-4.....	DuPage-Kane-Will.....	Virgil Cook & Son, Inc.....	Traffic signals.....	15	85
Dist. 1.....	Bit. Surf. Treatment 1964-2.....	Various.....	Materials Paving Company.....	Resurface portions of frontage roads.....	100	100
Dist. 1.....	Road Guard 1964-1.....	Lake-McHenry.....	State Day Labor.....	Steel beam & cable road guard	100	100
Dist. 1.....	Road Guard 1964-3.....	Cook-DuPage-Will.....	Midwest Fence Corporation.....	Cable & steel plate guard rail..	100	100
Dist. 1.....	Headquarters Parking Area 1964-1.....	Kane.....	Steffan Brothers, Inc.....	Construction of parking area..	100	100
Dist. 1.....	Mowing Maintenance 1964-1.....	Lake.....	Central Landscaping, Inc.....	Mowing.....	100	100
Dist. 1.....	Mowing Maintenance 1964-2.....	Various.....	L. E. Alport & Company.....	Mowing.....	100	100
Dist. 1.....	Mowing Maintenance 1964-3.....	Various.....	L. E. Alport & Company.....	Mowing.....	100	100
Dist. 1.....	Mowing Maintenance 1964-4.....	Will-Kendall.....	L. E. Alport & Company.....	Mowing.....	100	100
Dist. 1.....	Mowing Maintenance 1964-5.....	Will.....	L. E. Alport & Company.....	Mowing.....	106	100
Dist. 1.....	Curb Construction 1964-1.....	Kane.....	Steffan Brothers, Inc.....	Intermittent curbing.....	100	100
Dist. 2.....	Weed Control Spraying 1964-1.....	Various.....	Chemi-Trol Chemical Company.....	Roadside spraying.....	100	100
Dist. 2.....	Weed Control Spraying 1964-2.....	Various.....	Chemi-Trol Chemical Company.....	Roadside spraying.....	100	100
Dist. 2.....	Maintenance Yard Resurfacing 1964-1.....	Rock Island.....	Central Engineering Company.....	Resurfacing of maintenance yard.....	100	100
Dist. 2.....	Bituminous Seal Coat 1964-1.....	Bureau.....	State Day Labor.....	Seal coat.....	100	100
Dist. 2.....	Historical Markers 1963-1.....	Carroll-Rock Island- Whiteside.....	State Day Labor.....	Historical markers.....	5	0

TABLE 23.—Continued.
MISCELLANEOUS.—Continued.
STATE CONTRACTS.—Continued.

CONSTRUCTION						
Route or District	Section	County	Contractor	Type of Construction	Per Cent Completed 1964	Per Cent Uncompleted
Dist. 2	Historical Marker 1964-1	Ogle	State Day Labor	Historical marker site		100
Dist. 2	Bridge Repairs 1963-7	Lee	State Day Labor	Bridge rail replacement	100	
Dist. 3	Bituminous Seal Coat 1964-1	Livingston	State Day Labor	Bituminous armor & seal coat	100	
Dist. 3	Bituminous Seal Coat 1964-2	Livingston	State Day Labor	Seal coat shoulders	100	
Dist. 3	Bituminous Seal Coat 1964-3	Iroquois	State Day Labor	Bituminous armor & seal coat	100	
Dist. 3	Bituminous Seal Coat 1964-4	Kankakee	State Day Labor	Seal coating	100	
Dist. 3	Bituminous Seal Coat 1964-5	Grundy	State Day Labor	Seal coating	100	
Dist. 3	Bituminous Seal Coat 1964-6	McLean	State Day Labor	Seal coating	100	
Dist. 3	Headwall Removal 1964-1	Various	State Day Labor	Removal of concrete culvert headwalls	98	2
Dist. 3	Crushed Stone Shoulders 1964-1	Various	State Day Labor	Crushed stone shoulders	100	
Dist. 3	Guard Fence Replacement 1964-1	Various	State Day Labor	Installation of cable road guard	100	
Dist. 3	Roadside Rest Stops 1964-1	Iroquois-LaSalle	State Day Labor	Rest stops	98	2
Dist. 3	Bituminous Undersealing 1964-1	Various	State Day Labor	Underseal existing pavements	100	
Dist. 3	Historical Marker Turnouts 1964-1, 2, 3, 4	Kankakee-LaSalle-Livingston	State Day Labor	Driveways & parking areas	90	10
Dist. 4	Headwall Removal 1963-1	Various	State Day Labor	Removal of headwalls	55	0
Dist. 4	Tree Removal 1962-3	Various	Edwards Construction Company	Removal of dead trees		10
Dist. 4	Building Demolition 1964-1	Knox-Henry	Gunther Construction Company	Building removal	100	
Dist. 4	Roadside Rest Stops 1963-2	Henderson	State Day Labor	Rest stops	100	
Dist. 4	Rest Stops 1964-1	Woodford	State Day Labor	Rest stop turnout	60	40
Dist. 4	Rest Stops 1964-2	Peoria	State Day Labor	Rest stop turnout	68	32
Dist. 4	Rest Stops 1964-3	McDonough	State Day Labor	Rest stop turnout	72	28
Dist. 4	Historical Markers 1964-1	Various	State Day Labor	Historical marker turnouts	72	28
Dist. 4	Traffic Signals 1963-1	Peoria-Tazewell	J. C. Schaefer Electric, Inc.	Traffic signal modernization	12	0
Dist. 4	Cinder Hauling 1964-1	Peoria	Chillicothe Cartage	Cinder hauling	100	
Dist. 4	Headquarters 1963-1	Peoria	Peoria Blacktop, Inc.	Parking facilities	100	
Dist. 4	Pavement Undersealing 1964-1	Henry-Bureau	State Day Labor	Underseal existing pavement	100	
Dist. 4	Patching 1964-1	Marshall-Woodford	State Day Labor	PCC patching	100	
Dist. 4	Patching 1964-2	Peoria	State Day Labor	PCC patching	100	
Dist. 4	Weed Control Spraying 1964-1	Various	Townsend Tree Service Co., Inc.	Roadside spraying	100	
Dist. 5	Bituminous Seal Coat 1963-1	Various	State Day Labor	Seal coat	100	
Dist. 5	Bituminous Seal Coat 1964-1	Coles-Cumberland	Shank Road Oil & Culvert Co.	Seal coat	100	
Dist. 5	Bituminous Seal Coat 1964-2	Champaign	Parro Construction Corporation	Seal coat	100	
Dist. 5	Bituminous Seal Coat 1964-3	Champaign	State Day Labor	Seal coating	100	
Dist. 5	Traffic Signal Reconstruction 1963-1	Various	Champaign Asphalt Company	Reconstruct traffic signals	1	0
Dist. 5	Guard Rail Reconstruction 1964-1	Champaign-Clark-Vermilion	State Day Labor	Steel plate beam guard rail	100	

CONSTRUCTION

Dist. 5.....	Grading & Drainage 1963-1	Shelby-Moultrie.....	State Day Labor.....	Grading & drainage.....	100
Dist. 5.....	Grading & Drainage 1964-1	Piatt.....	State Day Labor.....	Correct deficient drainage.....	100
Dist. 5.....	Grading & Drainage 1964-2	DeWitt.....	State Day Labor.....	Improve shoulder slopes.....	100
Dist. 5.....	Roadside Rest Stops 1963-1	Vermilion-Edgar-DeWitt-Clark.....	State Day Labor.....	Rest stops.....	40
Dist. 5.....	Roadside Rest Stops 1964-1	Macon-Douglas-Vermilion.....	State Day Labor.....	Rest stops.....	80
Dist. 5.....	Storage Area Resurf. 1964-1	Vermilion.....	Danville Construction Company.....	Resurfacing of storage areas.....	20
Dist. 5.....	Weed Control Spraying 1964-1	Various.....	Chemi-Trol Chemical Company.....	Roadside spraying.....	100
Dist. 5.....	Concrete Headwall Removal 1963-1	Various.....	State Day Labor.....	Remove concrete headwalls.....	100
Dist. 5.....	Concrete Headwall Removal 1964-1	Various.....	State Day Labor.....	Remove concrete headwalls.....	100
Dist. 5.....	Expansion Joint Cutting 1964-1	Various.....	State Day Labor.....	Cut & fill expansion joints.....	100
Dist. 5.....	Metal Shoulders 1963-1	Various.....	State Day Labor.....	Gravel or crushed stone shoulders.....	50
Dist. 5.....	Metal Shoulders 1963-2	Champaign.....	State Day Labor.....	Gravel or crushed stone shoulders.....	0
Dist. 6.....	Joint Cutting 1963-1	Various.....	State Day Labor.....	Cut expansion joints.....	50
Dist. 6.....	Weed Control Spraying 1964-1	Various.....	The Townsend Tree Service Company, Inc.....	Roadside spraying.....	100
Dist. 6.....	Headwall Removal 1963-1	Various.....	Berry Construction Company.....	Headwall removal.....	100
Dist. 6.....	Patching 1964-1	Christian-Sangamon.....	State Day Labor.....	PCC patching.....	100
Dist. 6.....	Patching 1964-2	Adams-Pike.....	State Day Labor.....	PCC patching.....	100
Dist. 6.....	Patching 1964-3	Mason-Logan.....	J-P Construction Company.....	PCC patching.....	100
Dist. 6.....	Guard Rail Reconstruction 1964-1	Various.....	State Day Labor.....	Installation of steel guard rail.....	100
Dist. 6.....	Historical Markers 1964-1	Macon.....	State Day Labor.....	Historical marker site.....	90
Dist. 6.....	Roadside Rest Stops 1964-1	Sangamon.....	State Day Labor.....	Roadside rest stop.....	100
Dist. 6.....	Sign Shop Storage Pad & Loading Dock.....	Sangamon.....	State Day Labor.....	Concrete storage pad.....	100
Dist. 7.....	Joint Construction 1963-1	Various.....	State Day Labor.....	Cut & fill expansion joints.....	90
Dist. 7.....	Joint Construction 1964-1	Various.....	State Day Labor.....	Cut expansion joints.....	100
Dist. 7.....	Weed Control Spraying 1964-1	Various.....	The Townsend Tree Service Company, Inc.....	Roadside spraying.....	100
Dist. 7.....	Seal Coat 1964-1	Various.....	Mt. Carmel Sand & Gravel Company.....	Seal coating.....	100
Dist. 7.....	Bituminous Undersealing 1964-1	Various.....	State Day Labor.....	Undersealing.....	100
Dist. 7.....	Cable Road Guard 1964-1	Marion-Clay.....	State Day Labor.....	New 3-strand cable road guard.....	100
Dist. 7.....	Headwall Removal 1964-1	Various.....	State Day Labor.....	Remove concrete headwalls.....	100
Dist. 7.....	Gravel or Crushed Stone Base Course 1964-1	Coles-Cumberland.....	A. J. Walker Construction Company.....	Gravel shoulders.....	100
Dist. 7.....	Resurfacing Maintenance Yards 1964-1	Fayette-Marion.....	Arrow Road Construction Company.....	Maintenance yard resurfacing.....	100
Dist. 8.....	Historical Marker 1964-16	Madison.....	State Day Labor.....	Historical marker driveway.....	100
Dist. 8.....	Historical Marker 1964-17	Madison.....	State Day Labor.....	Historical marker driveway.....	100
Dist. 8.....	Historical Marker 1964-23	Madison.....	State Day Labor.....	Historical marker driveway.....	100
Dist. 8.....	Headwall Removal 1963-1	Various.....	State Day Labor.....	Headwall removal.....	60
Dist. 8.....	Headwall Removal 1964-1	Various.....	State Day Labor.....	Removal of concrete culvert headwalls.....	100
Dist. 8.....	Joint Cutting 1963-1	Bond-Montgomery.....	State Day Labor.....	Joint cutting.....	85
Dist. 8.....	Traffic Signals 1963-2	Madison.....	R. Dron Electrical Company, Inc.....	Traffic signals.....	85
Dist. 8.....	Upland Maintenance Storage Yard Improvement 1964-1	Madison.....	Maclair Asphalt Company, Inc.....	Resurfacing of storage yard.....	100
Dist. 8.....	Weed Control Spraying 1964-1	Various.....	Chemi-Trol Chemical Company.....	Roadside spraying.....	100
Dist. 8.....	Seal Coat 1964-1	Jersey.....	Freese Brothers, Inc. & Illinois Valley Asphalt, Inc.....	Seal coating.....	100

TABLE 23.—Continued.
MISCELLANEOUS.—Continued.
STATE CONTRACTS.—Concluded.

CONSTRUCTION					
Route or District	Section	County	Contractor	Type of Construction	Per Cent Completed 1964 Per Cent Uncom- pleted
Dist. 8...	Patching 1964-1	Various	State Day Labor	PCC patching	5
Dist. 8...	Guard Rail 1964-1	Various	State Day Labor	Installation of steel guard rail	100
Dist. 8...	Rest Stops 1964-1	Clinton-St. Clair	B & T Construction Company	Driveways & parking areas	100
Dist. 9...	Headwall Removal 1963-1	Various	State Day Labor	Headwall removal	100
Dist. 9...	Headwall Removal 1964-1	Various	State Day Labor	Concrete headwall removal	90
Dist. 9...	Surfacing of Medians & Islands 1964-1	Alexander-Saline	State Day Labor	Surfacing of medians & islands	100
Dist. 9...	Weed Control Spraying 1964-1	Various	The Townsend Tree Service Company, Inc.	Roadside spraying	100
Dist. 9...	Roadside Rest Stops 1964-1	Johnson-Pope-Franklin	State Day Labor	Rest stops	90
Dist. 9...	Historical Markers 1964-1	Randolph-Perry-Union-Gallatin	State Day Labor	Historical marker sites	90
Dist. 9...	Bituminous Seal Coat 1964-1	Jackson-Union	State Day Labor	Seal coating	100
Dist. 9...	Guard Fence Replacement 1964-1	Johnson-Pope-Jackson-Randolph	State Day Labor		
Dist. 10...	Traffic Signals 1962-2	Cook	State Day Labor	Steel plate beam guard rail	100
Dist. 10...	Traffic Signals 1962-4	Cook	L & S Construction Company	Traffic signals	10
Dist. 10...	Traffic Signals 1962-5	Cook	Wood Electrical Construction, Inc.	Traffic signals	5
Dist. 10...	Traffic Signals 1963-5	Cook	L & S Construction Company	Traffic signals	10
Dist. 10...	Traffic Signals 1963-6	Cook	L & S Construction Company	Traffic signals	95
Dist. 10...	Traffic Signals 1963-7	Cook	Hecker & Company, Inc.	Traffic signals	90
Dist. 10...	Traffic Signals 1963-8	Cook	L & S Construction Company	Traffic signals	100
Dist. 10...	Traffic Signals 1964-1	Cook	Commercial Light Company	Traffic signals	75
Dist. 10...	Traffic Signals 1964-2	Cook	Wood Electrical Construction, Inc.	Traffic signals	100
Dist. 10...	Traffic Signals 1964-3	Cook	Wood Electrical Construction, Inc.	Traffic signals	10
Dist. 10...	Traffic Signals 1964-4	Cook	G. A. Rafel & Company, Inc.	Traffic signals	50
Dist. 10...	1963-1-LPR	Cook	Contracting & Material Company	Traffic signals	30
Dist. 10...	Expressway Guard Rail Maintenance 1963-1	Cook	Meade Electric Company, Inc.	Light pole reinstallations	75
Dist. 10...	Maintenance Guard Rail Program 1964-1	Cook-Lake-DuPage-Will	Midwest Fence Corporation	Maintenance of guard rail on expressways	25
Dist. 10...	Expressway Pedestrian Barrier Repair 1963-1	Cook	State Day Labor	Steel plate beam guard rail	100
Dist. 10...	Joint Cutting 1963-1	Cook-Lake-DuPage-Will	Midwest Fence Corporation	Pedestrian barrier repair	50
Dist. 10...	Joint Construction 1964	Cook	State Day Labor	Expansion joint cutting	0
Dist. 10...	Landscaping 1963-4	Cook	State Day Labor	Cut & fill expansion joints	100
Dist. 10...	Landscaping 1963-5	Cook	Siems Nursery, Inc.	Landscaping	100
Dist. 10...	1963-1-N.M.G.Y.	Cook	A. A. Cinder Company	Landscaping	100
Dist. 10...	Expressway Pavement Patching 1963-2R	Cook	Monarch Asphalt Company	Maintenance yard surfacing	100
Dist. 10...		Cook-Lake	Barton Construction Company	PCC patching	100

CONSTRUCTION

Dist. 10...	Expressway Sign	Various...	Perma-Line Midwest Corporation...	Modernization of traffic signs...	100	...
Dist. 10...	Modernization 1964-1	Cook...	L. E. Alport & Company...	Removal of dead & dying trees	65	35
Dist. 10...	Diseased Tree Removal	Cook...	Central Landscaping, Inc...	Mowing...	100	...
Dist. 10...	Mowing Maintenance 1964-100.	Cook...	L. E. Alport & Company...	Mowing...	100	...
Dist. 10...	Mowing Maintenance 1964-101.	Cook...	L. E. Alport & Company...	Mowing...	100	...
Dist. 10...	Mowing Maintenance 1964-102.	Cook...	L. E. Alport & Company...	Mowing...	100	...
Dist. 10...	Weed Control Spraying	Cook...	Chemi-Trol Chemical Company...	Roadside spraying...	100	...
Dist. 10...	1964-103.	Cook...	Chemi-Trol Chemical Company...	Roadside spraying...	100	...
Dist. 10...	Weed Control Spraying	Cook...	State Day Labor...	Deck sealant...	100	...
Dist. 10...	1964-104.	Cook...	Midwest Landscape Associates...	Mowing...	100	...
Dist. 10...	Bridge Deck Sealant 1964-1	Cook...	Midwest Landscape Associates...	Mowing...	100	...
Dist. 10...	Expressway Mowing	Cook-Lake...	Otto Damgaard...	Mowing...	100	...
Dist. 10...	Maintenance 1964-X110	Cook...	William H. Bleck, Jr...	Mowing...	100	...
Dist. 10...	Expressway Mowing	Cook...	William H. Bleck, Jr...	Mowing...	100	...
Dist. 10...	Maintenance 1964-X210	Cook...	Plainfield Bridge & Construction, Inc...	Mowing...	100	...
Dist. 10...	Expressway Mowing	Cook-Will...	Otto Damgaard...	Shrub bed cultivation...	100	...
Dist. 10...	Maintenance 1964-X310	Cook-DuPage...	William H. Bleck, Jr...	Shrub bed cultivation...	100	...
Dist. 10...	Expressway Mowing	Cook...	William H. Bleck, Jr...	Shrub bed cultivation...	100	...
Dist. 10...	Maintenance 1964-X410	Cook...	Plainfield Bridge & Construction, Inc...	Shrub bed cultivation...	100	...
Dist. 10...	Expressway Mowing	Cook...	Otto Damgaard...	Cultivating shrub beds...	100	...
Dist. 10...	Maintenance 1964-X510	Cook...	Otto Damgaard...	Shrub bed cultivation...	100	...
Dist. 10...	Expressway Mowing	Cook...	Otto Damgaard...	Shrub bed cultivation...	100	...
Dist. 10...	Maintenance 1964-X610	Cook...	L. E. Alport & Company...	Shrub bed cultivation...	100	...
Dist. 10...	Expressway Cultivating	Cook-Lake...	Otto Damgaard...	Shrub bed cultivation...	100	...
Dist. 10...	Maintenance 1964-X110	Cook...	Otto Damgaard...	Cultivating shrub beds...	100	...
Dist. 10...	Expressway Cultivating	Cook-DuPage...	Otto Damgaard...	Shrub bed cultivation...	100	...
Dist. 10...	Maintenance 1964-X210	Cook...	Otto Damgaard...	Shrub bed cultivation...	100	...
Dist. 10...	Expressway Cultivating	Cook...	Otto Damgaard...	Shrub bed cultivation...	100	...
Dist. 10...	Maintenance 1964-X310	Cook...	Otto Damgaard...	Shrub bed cultivation...	100	...
Dist. 10...	Expressway Tree Spraying	Cook-Lake...	Central Landscaping, Inc...	Tree spraying...	100	...
Dist. 10...	1964-X110	Cook...	Central Landscaping, Inc...	Tree spraying...	100	...
Dist. 10...	Expressway Tree Spraying	Cook...	Central Landscaping, Inc...	Tree spraying...	100	...
Dist. 10...	1964-X210	Cook-DuPage...	Central Landscaping, Inc...	Tree spraying...	100	...
Dist. 10...	Expressway Tree Spraying	Cook...	Central Landscaping, Inc...	Tree spraying...	100	...
Dist. 10...	1964-X410	Cook...	Central Landscaping, Inc...	Tree spraying...	100	...
Dist. 10...	Expressway Tree Spraying	Cook...	Central Landscaping, Inc...	Tree spraying...	100	...
Dist. 10...	1964-X510	Various	State Day Labor...	Completion of small maintenance projects...	40	60
Dist. 10...	Miscellaneous Repairs 1964-1	Sangamon...	State Day Labor...	Driveway repair...	100	100
Dist. 10...	(State Wide)	Sangamon...	State Day Labor...	Restore covered bridge...	100	100
Dist. 10...	Mansion Drive Resurfacing	Sangamon...	State Day Labor...	Restore covered bridge...	100	100
Dist. 10...	1964-1	Sangamon...	State Day Labor...	Restore covered bridge...	100	100
Dist. 10...	Covered Bridge 6-1	Sangamon...	State Day Labor...	Restore covered bridge...	100	100
Dist. 10...	Covered Bridge 6-2	Sangamon...	State Day Labor...	Restore covered bridge...	100	100

TABLE 23.—Concluded.
MISCELLANEOUS.—Concluded.

CITY OF CHICAGO CONTRACTS

FAI 1 Spur.	SW-1717.9-9W	Cook	Midwest Wrecking Company	Building removal	100	.....
FAI 55	SW-1717.6-1SG	Cook	Perma-Line Midwest Corporation	Traffic signs	100	.....
FAI 55, FAI 1	SW-1717.8-1D	Cook	Santucci Construction Company	Main drain	95	0
FAI 55	SW-1717.9-1W-2W	Cook	Bongi Cartage, Inc.	Building removal	15	0
FAI 55	SW-1717.9-3W	Cook	Harvey Wrecking Company, Inc.	Building removal	100	.....
FAI 55	SW-1717.9-7W	Cook	Midwest Wrecking Company	Building removal	57	0
FAI 55	SW-1717.9-8W	Cook	Harvey Wrecking Company, Inc.	Building removal	100	.....
FAI 55	SW-1718.9-1W	Cook	National Wrecking Company	Building removal	100	100

COOK COUNTY CONTRACTS

FAI 122	145-1717A-MFT	Cook	J. M. Corbett Company	Detour, beach extension, pedestrian structures	10	0
FAI 55	207-0711.3-CF	Cook	A. A. Electric Company	Expressway lighting	.....	100
FAI 55	207-0711.4-CF, 207-1416.5-CF	Cook	Perma-Line Midwest Corporation	Signing	.....	100
FAI 55	207-1415.1A-CF	Cook	Harvey Wrecking Company, Inc.	Building removal	100	.....
FAI 55	207-1415.4-CF, 207-1516.4-CF	Cook	Wood Electrical Construction, Inc.	Highway lighting	100	.....
FAI 55	207-1515.1A-CF	Cook	Bongi Cartage, Inc.	Building removal	100	.....
FAI 55	207-1516.3-CF	Cook	Abbott Contractors, Inc.	Main drain	95	0
FAI 55	207-1616.1A-CF	Cook	Cleveland Wrecking Co. of Cincinnati	Building removal	10	0
FAI 55	207-1616.2A-CF	Cook	Rossi Contractors	Building removal	10	0
FAI 55	207-1616.2B-CF	Cook	Bongi Cartage, Inc.	Building removal	90	0
FAI 55	207-1616.3-CF	Cook	Orr Construction Company	Building removal	50	0
FAI 55	207-1616.5-CF	Cook	Chatham Paving Company	Main drain	100	.....
FAI 55	207-1616.11-CF	Cook	G. A. Rafel & Company, Inc.	Frontage roads	100	.....
FAI 57	068-1919.A-CF	Cook	Bongi Cartage, Inc.	Highway lighting	100	.....
FAI 57	068-2020.A-CF	Cook	Bongi Cartage, Inc.	Building removal	25	15
FAI 57	068-2121.1A-CF	Cook	Bongi Cartage, Inc.	Building removal	20	0
FAI 57	068-2121.2A-CF	Cook	Bongi Cartage, Inc.	Building removal	5	0
FAI 57	068-2323.10-CF, 068-2323.11-CF	Cook	Commercial Light Company	Building removal	6	4
FAI 57	068-2323.12-CF, 068-2323.13-CF	Cook	Leesley's Nurseries, Inc.	Highway lighting	100	.....
FAI 90	066-1215-CF, Part "B"	Cook	Midwest Landscape Associates	Landscaping	75	0
FAI 90	066-1919.6B	Cook	National Power Rodding Corp.	Landscaping	20	0
FAI 94, 90, 57	066-1919.16-CF, 066-1919.17-CF, 066-1519.1-CF, 066-1215.1-CF, 068-2323.15-CF, 068-2323.14-CF	Cook	Perma-Line Midwest Corporation	Storm sewer cleaning	100	.....
			Signing	.....	100	.....

VI. MATERIALS

1. GENERAL.—The function of the Bureau of Materials is to inspect and test all materials used in highway construction and maintenance; conduct surveys and studies of materials and material sources; develop new methods of sampling and testing; design and construct new testing equipment; prepare specifications for materials and for tools and supplies used for general highway maintenance purposes, and in the production of concrete and bituminous mixtures; check and supervise the design, proportioning and control of concrete, bituminous, and soil-cement mixtures; conduct investigational studies of the effect of materials, weather, and soils on highway structures; and perform the photographic, photostatic, and various other services for the Division of Highways.

The work of this Bureau is divided into four sections, namely: the Physical Tests Section, the Chemical Tests Section, the Mixture Control and Soil Section, and the Chicago Branch Laboratory. The branch laboratory is responsible for chemical and physical tests of materials originating in the Chicago area, and for bituminous mixtures control and soil testing in District 10.

The Bureau maintains resident chemists at refineries and obtains cement samples from commercial samplers, but aside from this, plant and destination inspection of materials is a direct function of the district offices; however, field engineers operating out of the central Bureau maintain uniformity in inspection practices. These general inspectors also contact the various projects to check the equipment and quality of the work, and to maintain uniformity in proportioning.

2. SAMPLES AND TESTS.—Table 24 shows the number of samples tested in the laboratories of the Bureau of Materials during 1964.

3. INSPECTION.—Experience has shown that the inspection of materials at their source provides better control of quality, expedites the work, and prevents delays incident to rejections on the projects. Therefore, if the volume of the work, the nature of the materials, and other conditions warrant, inspection is performed at the source of supply; otherwise, it is made at the destination or in the laboratories.

When materials originate in another state, arrangements are sometimes made with the State Highway Department in that state or with a recognized commercial testing laboratory to submit samples to this Bureau. The states in the Mississippi Valley, by reciprocal agreement, perform this service for one another at cost.

Table 25 shows the quantities of materials accepted by inspection during 1964. In many instances the quantities shown in this table represent a considerable increase over the quantities accepted during 1963.

Table 26 shows the types and quantities of tools and supplies inspected and accepted during 1964. The Bureau of Materials collabo-

MATERIALS

TABLE 24.—SAMPLES TESTED IN LABORATORIES DURING 1964.

Materials	Number of Samples Tested				
	Preliminary	Acceptance	Check	Quality	Total
Aggregate.....				3, 555	3, 555
Bituminous materials:					
asphalt, emulsified.....		13	39	254	306
asphalt, liquid (MC-RC-WP).....	41	35	358	653	1, 087
asphalt, liquid (SC).....	13	196	125	98	432
asphalt, paving and filler.....	71	11	209	2, 262	2, 553
joints and planks.....	1	77	1	93	172
mixtures (composition).....				2, 634	2, 634
mixtures (density).....				1, 344	1, 344
road oil.....	2		30	175	207
tar.....		9	15	61	85
Bolts.....				1, 376	1, 376
Brick and drain tile.....				47	47
Calcium chloride.....		267		6	273
Castings.....				377	377
Catch basin blocks.....				44	44
Cement.....		9, 222	21	13, 758	23, 001
Concrete cylinders and cores.....				12, 046	12, 046
Conduit.....				142	142
Creosote oil.....		2		61	63
Electrical materials.....		784			784
Fabric, reinforcing, steel.....				220	220
Galvanized materials.....	3	55		318	376
Glass beads.....	10	94	22	12	138
Mineral filler.....				64	64
Paints and paint materials.....	5	558	16	859	1, 438
Reflector materials.....	26	156		2	184
Rock, ledge.....				3	3
Salt, rock.....		93	1	101	195
Seed.....		731			731
Soil.....				1, 669	1, 669
Steel bars, reinforcing.....		32		2, 663	2, 695
Steel strands, prestressing.....				157	157
Steel, structural.....				9	9
Water.....				35	35
Miscellaneous (chemical).....	39	218	5	200	462
Miscellaneous (physical).....				519	519
Miscellaneous (mixtures).....				497	497
Totals.....	211	12, 553	842	46, 314	59, 920

rated with the Bureau of Maintenance and the Bureau of Traffic in the formulation of detailed specifications and in making recommendations for tools and supplies to be used for general highway maintenance purposes. The Bureau of Materials inspects and tests items purchased to insure that they comply with the requirements of the specifications.

4. SEEDS.—The inspection of all seeds used for highway planting is carried on through this Bureau. However, the tests for purity and germination are made by the Division of Plant Industry, Illinois Department of Agriculture, which extends the services of its fully equipped seed laboratory to the Division of Highways.

A total of 731 samples, representing 852,217 pounds of seed, was tested during the year. Through this inspection, the Division of Highways insures use of pure, viable seed for highway planting. This work and the destruction of the weeds along the highways by the maintenance forces help to prevent the propagation of weeds and other undesirable plant life.

MATERIALS

TABLE 25.—QUANTITIES OF MATERIALS ACCEPTED BY INSPECTION DURING 1964.

Materials	Quantities Accepted
Aggregates:	
filler, mineral, tons.....	54,552
granular embankment and backfill, tons.....	1,085,821
gravel, tons.....	5,929,882
lime, hydrated, tons.....	75
limestone, agricultural, tons.....	46,644
sand, tons.....	3,066,742
sand, bridge deck sealant, lbs.....	175,740
slag, blast furnace, tons.....	312,645
stone, tons.....	10,403,732
stone sand, tons.....	2,955
Air-entraining agent, gals.....	1,530
Aluminum, beams, drains, plates, tubing, etc., lbs.....	135,648
Antifreeze, permanent type, gals.....	19,310
Anti-spalling compound, gals.....	96,980
Beads, glass, lbs.....	3,108,760
Beams, concrete, bridge:	
deck, precast, prestressed, number.....	1,102
I, precast, prestressed, number.....	125
slab, precast, number.....	1,021
Bituminous materials and mixtures:	
asphalt, emulsified, gals.....	6,348,396
asphalt, filler for cracks and joints, tons.....	4,185.23
asphalt, filler for undersealing, tons.....	3,509.85
asphalt, liquid for zone-marking, gals.....	98,200
asphalt, liquid, medium-curing, gals.....	26,821,614
asphalt, liquid, rapid-curing, gals.....	3,109,072
asphalt, liquid, slow-curing, gals.....	13,031,302
asphalt, paving, tons.....	156,123.69
asphalt plank, sq. ft.....	85,320
asphalt, waterproofing, tons.....	296.95
asphalt, waterproofing, primer, gals.....	355
bituminous mixture for maintenance use, tons.....	46,750.63
creosote primer, gals.....	2,277
fabric, saturated cotton, sq. yds.....	25,736
joint filler, bituminous fibre, sq. ft.....	324,376
joint filler, bituminous fibre, number.....	5,944
joint filler, bituminous premoulded, sq. ft.....	41,631
joint filler, bituminous premoulded, number.....	185
joint filler, preformed cork, lin. ft.....	5,993
joint filler, preformed sponge rubber, lin. ft.....	1,028
joint filler, resinous, units.....	697
joint sealer, rubber, lin. ft.....	3,851
joint sealing compound, cold applied, lbs.....	208,436
joint sealing compound, hot poured, lbs.....	113,100
komac, gals.....	17,254
oil, road, gals.....	14,339,958
tar, gals.....	724,377
tar for zone-marking, gals.....	44,300
tar, pitch, waterproofing, gals.....	44,642
wyton, gals.....	155,158
Brick:	
clay, building, number.....	76,436
concrete, building, number.....	159,288
Bridge bearing pads, number.....	1,738
Brush killer, gals.....	2,087
Cable, electric, lin. ft.....	2,497,376
Calcium chloride, tons.....	7,732
Castings:	
iron street, lbs.....	5,932,245
steel, lbs.....	356,397
Catch basins, concrete, complete, number.....	2,421
Cement:	
type I, standard, bbls.....	4,625,441
type I, white, bbls.....	327
type IA, air-entraining, bbls.....	1,842,268
type II, moderate heat of hydration, bbls.....	17,632
type III, high-early-strength, bbls.....	45,359
type IIIA, high-early-strength air-entraining, bbls.....	120
Compound, curing, gals.....	79,780
Concrete masonry units, number.....	146,155
Conduit:	
aluminum, lin. ft.....	2,790
asbestos-cement, lin. ft.....	71,413
fibre, lin. ft.....	3,615

MATERIALS

TABLE 25.—Continued.

Materials	Quantities Accepted
fittings, transite, number.....	16,852
hangers, transite, sets.....	1,518
plastic, lin. ft.....	7,455
steel, galvanized, lin. ft.....	442,944
Copper seal, water, lbs.....	8,068
Cribbing, concrete, reinforced, number.....	478,387
Delineators, number.....	4,253
Epoxy resin, gals.....	635
Fasteners, aluminum, number.....	33,869
Fence:	
aluminum, chain link, lin. ft.....	685
copper coated, chain link, lin. ft.....	1,220
galvanized, chain link, lin. ft.....	364,271
galvanized, woven wire, lin. ft.....	1,134,584
snow, lin. ft.....	130,200
Handrail:	
aluminum, lin. ft.....	123,396
steel pipe, lin. ft.....	40,683
Inlets, concrete, number.....	1,445
Jute matting, sq. yds.....	350,922
Light standards:	
aluminum, number.....	451
concrete, number.....	800
steel, number.....	164
Lumber:	
structural, creosoted, f.b.m.....	321,853
structural, penta-treated, f.b.m.....	56,706
structural, untreated, f.b.m.....	295,696
Manholes, concrete, complete, number.....	273
Markers:	
drainage, permanent survey, r.o.w., section, number.....	14,541
permanent survey, metal, number.....	1,283
Name plates, number.....	565
Paints, enamels and paint materials:	
enamel, orange equipment, gals.....	3,145
enamel, roadside tables, gals.....	408
enamel, sign, gals.....	2,726
paint, aluminum, leafing, gals.....	34,639
paint, aluminum, nonleafing, gals.....	16,511
paint, black graphite, gals.....	1,857
paint, curb marking, yellow, gals.....	1,467
paint, green, gals.....	2,845
paint, red lead, gals.....	34,936
paint, traffic marking, white, gals.....	624,030
paint, traffic marking, yellow, gals.....	83,950
paint, white lead titanium, gals.....	8,456
primer, orange, gals.....	987
primer, red lead, gals.....	165
primer, silver chromate, gals.....	2
primer, zinc chromate, gals.....	537
thinner, gals.....	2,845
varnish, gals.....	492
Peat moss, cu. ft.....	42,849
Piling:	
metal shell, lin. ft.....	204,046
precast, concrete, lin. ft.....	13,597
shoes, lbs.....	7,270
steel, lbs.....	18,782,352
steel sheet, lin. ft.....	117,887
wood, creosoted, lin. ft.....	405,714
wood, untreated, lin. ft.....	73,952
Pipe:	
aluminum for chain link fence, lin. ft.....	7,304
brass, red, lbs.....	5,422
clay, standard strength—C-13, lin. ft.....	1,727
clay, extra strength—C-200, lin. ft.....	47,330
clay, standard strength, perf.—C-211, lin. ft.....	578
concrete—C-14—SS, lin. ft.....	125,510
concrete—C-14—ES, lin. ft.....	72,153
concrete—C-76—class I, lin. ft.....	667
concrete—C-76—class II, lin. ft.....	93,954
concrete—C-76—class III, lin. ft.....	503,464
concrete—C-76—class IV, lin. ft.....	30,687
concrete—C-76—class V, lin. ft.....	26,597
concrete—C-76—Nonreinforced, lin. ft.....	71,453

MATERIALS

TABLE 25.—Continued.

Materials	Quantities Accepted
concrete—C-507—class HE-II, lin. ft.	788
concrete—C-507—class HE-III, lin. ft.	15, 134
concrete—C-507—class HE-IV, lin. ft.	294
concrete—C-507—class VE-V, lin. ft.	522
concrete—C-14—perf., lin. ft.	160
corrugated aluminum, lin. ft.	39, 910
corrugated steel, lin. ft.	319, 351
corrugated steel arch, lin. ft.	32, 690
corrugated steel, bit. coated, lin. ft.	33, 226
corrugated steel arch, bit. coated, lin. ft.	4, 178
corrugated steel, perf., lin. ft.	3, 512
corrugated steel, perf., bit. coated, lin. ft.	1, 861
corrugated steel plate, lin. ft.	5, 446
corrugated steel plate arch, lin. ft.	1, 244
galvanized for chain link fence, lin. ft.	251, 866
helically corrugated aluminum, lin. ft.	488
helically corrugated aluminum, perf., lin. ft.	4, 564
helically corrugated steel, lin. ft.	9, 516
helically corrugated steel, bit. coated, lin. ft.	851
helically corrugated steel, perf., lin. ft.	127, 839
helically corrugated steel, perf., bit. coated, lin. ft.	889
helically corrugated steel arch, lin. ft.	184
iron, cast, lbs.	993, 594
iron, wrought, lbs.	26, 028
lead, lbs.	52, 548
steel, lbs.	451, 861
water, copper, lin. ft.	3, 593
Plates:	
bridge bearing, bronze, lbs.	10, 952
cast bronze, lbs.	640
lead, lbs.	66, 642
Plywood:	
treated, sq. ft.	1, 824
untreated, sq. ft.	25, 520
Poles, power, penta-treated, number	119
Posts:	
bridge rail, steel, lbs.	18, 381
channel, lin. ft.	7, 175
delineator, lbs.	185, 750
fence, galvanized, lbs.	1, 099, 929
fence, galvanized for chain link, number	54, 856
fence, snow, lbs.	170, 363
fence, steel, lbs.	135, 343
fence, wood, creosoted, number	530
fence, wood, penta-treated, number	1, 191
fence, woven wire, number	27, 488
guard, wood, creosoted, number	509
guard, wood, penta-treated, number	10, 762
guardrail, steel, lbs.	1, 648, 461
guardrail, wood, creosoted, number	309
guardrail, wood, penta-treated, number	3, 224
handrail, aluminum, number	21, 130
sign, steel, lbs.	895, 579
sign, wood, creosoted, lin. ft.	508
sign, wood, penta-treated, lin. ft.	123, 164
sign, wood, osmose salt treated, lin. ft.	636, 278
sign, wood, wolman salt treated, lin. ft.	106
Reflectors, delineator and sheeting, number	15, 837
Salt, rock, tons	180, 576
Sealant, bridge deck, gals.	1, 109
Seeds, lbs.	852, 217
Sheeting:	
aluminum, lbs.	15, 402
copper, lbs.	2, 098
lead, lbs.	6, 313
reflective, sq. ft.	345, 370
rubber, sq. ft.	21, 301
steel, lbs.	54, 029
Sign panels, reflectorized, sq. ft.	1, 523
Signs:	
bridge, reflectorized, number	365
standard, aluminum, number	273
steel, number	1, 153
Solvent, xylene for thinning tar paints, gals.	10, 325

MATERIALS

TABLE 25.—Concluded.

Materials	Quantities Accepted
Steel:	
bars, reinforcement, lbs.....	108,634,168
blades, snow plow, number.....	1,249
bolts and expansion hooks, number.....	10,660
cable, road guard, lin. ft.....	230,253
center joints and accessories, lbs.....	652,519
corrugated ditch checks, lbs.....	72,117
dowel bar assembly, lbs.....	2,604,631
fabric reinforcement, lbs.....	40,119,935
miscellaneous, lbs.....	392,044
plate beam guardrail, galvanized, lbs.....	3,281,728
plate beam guardrail, painted, lbs.....	170,510
stainless, lbs.....	9,382
structural, lbs.....	153,082,453
wire reinforcement, lbs.....	1,798
Tile:	
drain, clay, lin. ft.....	21,021
drain, concrete, lin. ft.....	1,850
Waterstop:	
polyvinyl plastic, lin. ft.....	4,210
rubber, lin. ft.....	29,394
Weed killer, gals.....	16,780
Wire:	
barbed, lin. ft.....	2,230,667
post tension, lin. ft.....	282,489
rope, lin. ft.....	28,600
snow fence, lbs.....	54,100
steel, lbs.....	600
ties, snow fence, number.....	250,000

5. SOILS.—During 1964, a total of 1,596 soil samples were received in the Springfield Laboratory. These included Shelby Tube samples needed for stability and settlement analyses, samples for classification tests, and other samples for special tests such as California Bearing Ratio, cement requirement for stabilization, and pozzolanic stabilization design tests.

From the 1,010 Shelby Tubes received, 4,078 soil specimens were prepared and tested. On the basis of unconfined compressive strength tests, triaxial shear tests, and consolidation tests, together with field data from the areas of questionable stability, analyses were made and corrective design or construction features recommended on 51 separate projects.

A representative of the Soils Section of the Bureau of Materials again served with members from the Bureaus of Construction and Design on a committee to review soil reports and recommendations submitted for highway projects involving State funds.

MATERIALS

TABLE 26.—QUANTITIES OF MAINTENANCE TOOLS AND SUPPLIES
ACCEPTED BY INSPECTION DURING 1964.

Item	Quantity Accepted	Item	Quantity Accepted
Augers, posthole.....	60	Ladders, metal, all sizes.....	9
Axes, chopping, single bit.....	194	Ladders, wood, all kinds and sizes..	85
Barricade horses, sets.....	1, 606	Lights, trouble, portable.....	233
Bars, wrecking.....	141	Mattocks, all kinds.....	120
Bits, car and wood auger.....	288	Oilers, bench.....	108
Bolts, nuts and washers, tons.....	34.4	Oilers, hand pump type.....	315
Boots, rubber, pairs.....	418	Pails, water.....	274
Braces, ratchet bit.....	63	Picks, railroad or clay.....	72
Brooms, all kinds.....	5, 706	Pliers, slip-joint.....	1, 040
Brushes, paint, all sizes.....	3, 612	Pneumatic tools:	
Cans, asphalt, pouring.....	277	asphalt cutters.....	482
Cans, gasoline, Types 1 and 2.....	515	concrete breakers.....	1, 506
Cans, oil.....	205	hollow drill steel.....	270
Cans, supply.....	52	rock drill bits.....	624
Cans, water, insulated, all sizes.....	472	Post drivers.....	26
Chains, accessories, pieces.....	7, 495	Pruners, all kinds.....	161
Chains, safety, feet.....	3, 200	Putty knives.....	384
Chains, tow, all sizes, feet.....	16, 105	Rakes, asphalt and road.....	634
Chisels, all kinds.....	536	Rope, manila, all sizes, feet.....	36, 000
Cloths, wiping, lbs.....	20, 900	Rubbing bricks.....	102
Covers, burlap, sq. yd.....	2, 333	Rules, multiple folding.....	285
Crowbars.....	168	Saws, various sizes and kind.....	360
Cutters, bolt.....	110	Scissors, pocket.....	287
Cutters, grass, swing type.....	72	Scraping knives.....	276
Diggers, posthole.....	186	Screw-drivers, various sizes.....	704
Extinguishers, fire, all sizes.....	152	Scythe blades.....	300
Files, all kinds.....	3, 672	Scythe hooks.....	282
Flags, red danger, all sizes, dozen.....	5, 220	Scythe hook blades, extra.....	84
Forks, manure.....	276	Scythe snaths.....	162
Fusees, red light, dozen.....	2, 051	Scythe stones.....	1, 200
Goggles, extra lenses.....	374	Shovels, scoops, spades, etc.....	3, 830
Goggles, safety, pairs.....	844	Signs, stop-slow, paddle type.....	960
Grass, hooks.....	612	Sledges, all weights.....	300
Guns, grease.....	472	Sprayers, hand.....	285
Hacksaw blades.....	2, 190	Tampers, hand.....	120
Hacksaw frames.....	144	Tables, roadside, rustic.....	45
Hammers, ball peen.....	256	Tarpaulins, various sizes.....	470
Hammers, carpenter's nail.....	278	Torches, extra wicks.....	2, 568
Handles, tool, various.....	2, 088	Torches, kerosene, warning.....	2, 372
Hatchets, claw.....	102	Tripods, warning type.....	1, 859
Jacks, hydraulic, truck.....	53	Tweezers.....	306
Kits, first aid, empty, all sizes.....	278	Wedges, timber.....	54
		Wrenches, all kinds.....	1, 533

6. CONTROL OF CONCRETE MIXTURES. — Beam specimens were made and tested on most projects in nine of the ten highway districts during 1964 to provide an index of the effectiveness of the control of the concrete mixtures. One district tested cylinder specimens on all projects under State, FAS, County and City sections, with the exception of a few beams made for FAS and County sections.

The results of over 35,800 flexural tests and 13,900 compressive tests of standard-strength air-entrained concrete were reported to the Bureau during 1964. Table 27 shows the average 14-day flexural strengths in comparison with similar data obtained in previous years. The results obtained in 1964 show a slight increase over 1963 on State sections for both pavement and structure concrete. The county and city sections show a decrease in flexural strength for pavement, and an

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increase in flexural strength for structures. Table 28 shows the average 14-day compressive strength. The compressive strengths obtained in 1964 show an increase in strength over 1963 on State, city, county, and township sections.

TABLE 27.—NUMBER OF BEAMS OF STANDARD-STRENGTH AIR-ENTRAINED PORTLAND CEMENT CONCRETE TESTED DURING 1964, AND COMPARISON OF STRENGTHS FROM YEAR TO YEAR.

Class and Type of Construction	Number of Beams Tested in 1964		Average 14-day Modulus of Rupture in Pounds per Square Inch				
	Total	At 14 Days	1964	1963	1962	1961	1960
State sections—pavement.....	4,931	2,213	820	817	808	822	811
State sections—structures.....	11,273	5,380	801	797	786	789	801
County and city sections—pavement.....	403	158	760	784	835	789	816
County, city and township sections—structures.....	1,337	539	767	758	778	770	810

Notes: Standard-strength air-entrained portland cement concrete for FAS sections showed 167 beams averaging 779 psi, and 175 beams averaging 845 psi at 7 and 14 days, respectively, for pavement concrete; and 824 beams averaging 701 psi, and 863 beams averaging 781 psi at 7 and 14 days, respectively, for structure concrete. These beams are not included in the above table.

Two breaks were made on each beam and the number of tests is twice the number of beams shown. Beams made before April 1 and after October 31 are not included.

TABLE 28.—NUMBER OF CYLINDERS OF STANDARD-STRENGTH AIR-ENTRAINED PORTLAND CEMENT CONCRETE TESTED DURING 1964, AND COMPARISON OF STRENGTHS FROM YEAR TO YEAR.

Class and Type of Construction	Number of Cylinders Tested in 1964		Average 14-day Compressive Strength in Pounds per Square Inch				
	Total	At 14 Days	1964	1963	1962	1961	1960
State sections—pavement.....	1,773	783	4,337	3,979	4,336	4,494	4,174
State sections—structures.....	4,762	2,186	3,948	3,812	3,908	4,149	4,035
County and City sections—pavement.....	1,125	501	3,823	3,677	3,932	2,829	3,484
County, city and township sections—structures.....	6,305	2,997	4,011	3,855	3,927	3,585	3,897

Notes: Cylinders made before April 1 and after October 31 are not included.

The average strength for county, city, and township section for both pavement and structures include test results obtained from various commercial testing laboratories as well as regular State test results.

7. DESIGN AND CONTROL OF HIGH-TYPE BITUMINOUS MIXTURES.—During the year, 100 bituminous paving plants were used in manufacturing subclass I-11 bituminous mixtures for the resurfacing of 284.4 miles of rigid base pavement, 76.8 miles of flexible base pavement, and in placing 1,021,677 square yards of bituminous mixtures for intermittent resurfacing on old rigid type pavements. The plants used in producing these mixtures had been previously inspected and approved by the Bureau of Materials.

The bituminous mixtures used in the resurfacing consisted of binder and surface course mixtures of the dense-graded aggregate type. The maximum size aggregate in the binder course mixture was 1-inch and the surface course mixture 1/2-inch. In general, the bituminous mixtures were placed in two compacted courses having depths of 1 1/2 inches for each course.

The plant control of the bituminous mixtures was under the direct control of the district materials section, acting under the general supervision of the Springfield laboratory. The Springfield laboratory designed the mixtures by the Marshall method. Trial batches were prepared using materials from the same sources as used in the manufacture of the mixtures for the resurfacing. From the Marshall tests obtained on the trial batches, mixing formulas were developed that would give a satisfactory stability, flow value, and voids. Daily check samples or check samples representing each 1,000 tons of the bituminous mixtures were sent to the Chicago or Springfield laboratory for analyses. Test results were promptly forwarded to the proportioning engineer to aid him in control of the bituminous mixtures. The Springfield laboratory uses a portable field laboratory for extraction tests and density tests to assist the district materials section in plant control.

8. INVESTIGATIONS.—Summary reports of the major studies or investigations conducted or in progress during 1964 follow:

(a) *Tests of Concrete Pavement Cores.*—There were 7,068 pavement cores tested during 1964. Compressive strength tests were made on 3,548 cores with the following results:

Number of Cores	149	878	944	759	715	71	52
Average range, months.....	0-1.5	2-3.5	4-5.5	6-9.5	10-14.5	15-21.5	22-29
Average age, months.....	1.0	2.38	4.47	6.91	10.91	17.44	25.72
Average strength, psi.....	4,475	4,494	4,593	4,814	5,272	5,607	5,945

Air determinations were made on 3,520 cores. The average air content was 5.0 per cent which is the design for the specification range of 4 to 7 per cent. The air contents were distributed as follow:

Number of Cores	21	36	129	500	1,094	1,034	75	189	49
Air content range, per cent	0.0 to 0.9	1.0 to 1.9	2.0 to 2.9	3.0 to 3.9	4.0 to 4.9	5.0 to 5.9	6.0 to 6.9	7.0 to 7.9	over 7.9

Note: All cores tested for compressive strength and air content falling on a division of a range are included in the next higher range.

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(b) *Inspection of Precast Prestressed Concrete Bridge Beams.*—During the year, 1,227 precast prestressed concrete beams were accepted for use in the construction of new bridges and widening of old bridges. This included 1,102 deck beams and 125 I-beams. Besides the observation of the processes involved and the condition of the completed product, the concrete was controlled by approximately 4,200 slump and air tests, as well as the moulding and testing of approximately 7,200 concrete cylinders.

(c) *Investigations of Paints and Enamels.*—The outside weathering tests on a series of metal priming paints are still in progress.

The outside weathering test on standard baking sign enamels cured at higher baking temperatures is in progress, with no noticeable adverse effects at this time.

(d) *Laboratory Investigation in Connection with Bituminous Resurfacing Program.*—Bituminous mixtures used in resurfacing old rigid-type pavements were investigated using the Marshall method. A total of 569 tests were made on the surface course mixtures produced for use on State jobs. These samples had an average Marshall stability of 1,911 pounds, an average Marshall flow value of 13.5, and average Marshall density of 2.44. A total of 353 tests were made on binder course mixtures produced for State jobs. These samples had an average Marshall stability of 2,054 pounds, an average Marshall flow value of 13.9, and average Marshall briquette density of 2.46. A total of 226 cores were cut from bituminous pavements at various locations for investigation. All of these cores were tested for density and voids, and some of them for the per cent of bitumen and the gradation of the aggregates.

The investigation started in 1942 to study the changes which take place in the properties of the asphalt cement used in subclass I-11 surface course mixtures during mixing, transportation, placing, and weathering has been discontinued. At locations where samples were being taken, the road has been relocated or resurfaced.

An investigation which began in 1956 to determine to what extent traffic compacts subclass I-11 surfaces, is being continued. Cores are being taken at intervals from several locations to determine the density under traffic. The data shows that traffic compacts subclass I-11 mixtures to approximately the density obtained on the Marshall briquettes.

Density determinations were made on pavement samples from each day's run of binder or surface course. The tests show that the surface course mixtures were compacted to an average density of 95.2 per cent of a voidless pavement and the binder mixture to an average of 95.7 per cent.

(e) *High Pressure Apparatus for Determining Voids in Compacted Bituminous Mixtures.*—This apparatus was described in the 1956 annual report and was used during the past year to determine the percent air in subclass I-11 bituminous mixture samples taken at the hot mix plants and in pavement samples taken from the road. The air voids determined from Marshall briquettes made from bituminous mixture samples taken at the hot mix plant were used this year in the computation of density in compacted subclass I-11 bituminous mixtures. Tests on briquettes made from 353 samples of binder course mixture showed an average of 2.00 per cent air, and from 569 samples of surface course mixture an average of 1.77 per cent air.

9. DEPARTMENTAL SERVICES.—During 1964, the Bureau of Materials received 83 requests for pavement loading analyses on 101 overweight vehicles and heavy equipment, requiring 328 pavement loading analyses. A variety of tables, cabinets, and shelves was built for the various offices of the Division of Highways, and repairs were made on building and pieces of office equipment. Two transducer drive units and two trailer hitches were constructed for the Bureau of Research and Development; a Marshall Compactor was rebuilt for the Chicago Branch Laboratory; 160 steel surveyor's chains were repaired; 150 slump cone kits and 40 low pressure air meters were built for the districts; 1,200 Shelby tubes were fabricated, and various test gauges and pieces of field equipment were repaired and calibrated. Test gauges on post-tensioning beds at prestressed concrete plants were calibrated in several locations within the State and 1,515 metal samples were prepared for tests in the chemical and physical laboratories. The maintenance of equipment and facilities of the Chicago Branch Laboratory and the buildings and equipment at 126 and 200 East Ash Street in Springfield were also the responsibility of this Bureau. In the photographic laboratory, 626 4-x 5-inch negatives, 734 8 x 10-inch negatives, 7,541 8 x 10-inch prints, fifty-six lantern slides, 2,000 feet of movie film, eighty 11 x 14-inch negatives for multilith work, and 20,483 photostat prints were prepared.

VII. MAINTENANCE

1. GENERAL.—Maintenance and operation of the State highway system are the responsibility of the Bureau of Maintenance. The work is accomplished by two sections established in the Bureau: (1) The Maintenance Section and (2) The Day Labor Section.

The Maintenance Section is concerned with budgetary control of maintenance funds; procurement of materials, equipment, and supplies; and the general supervision of all maintenance activities carried on by the ten highway districts. The Day Labor Section performs original construction and maintenance work of an extraordinary nature throughout the State.

Each highway district organization includes a district engineer of maintenance who, under the district engineer, is responsible for maintenance of State highways in that district. The field organization of the district consists of *field engineers* in charge of work in their part of the district; *maintenance supervisors*, who have direct supervision of 8 to 12 section men; *section men*, each of whom maintains from 20 to 25 miles of highway; and *maintenance labor foremen* who operate with special crews and equipment for performing extraordinary or heavy maintenance work.

Mobile radio equipment has been installed in automobiles of maintenance engineers, supervisors, and foremen and in some of the truck and special assignment vehicles. As a result closer supervision can be given to the many operations taking place daily; and maintenance forces can be assembled more quickly in cases of emergency. Such situations occur during storms, heavy snowfall, or pavement blow-ups. Damaged facilities, signs, or failure of traffic lights can be readily reported and prompt attention given to replacement or repairs. More extensive use of this equipment is being found daily with resulting saving of time and costs. Since its installation in maintenance vehicles, several other bureaus of the Division have installed radio equipment in some of their vehicles.

2. MAINTENANCE, OPERATION, AND COST ACCOUNTING.—The term *maintenance*, for the purpose of cost accounting, designates that work which tends to preserve the structural elements of the highways in their original condition or subsequently improved. Specific activities classified as maintenance are upkeep of the wearing surface, shoulders, ditches, and structures. The cost of this work is in a large measure dependent upon the type and age of the existing facility and upon the traffic which it accommodates.

The term *operation* is applied to that work which is incidental to the maintenance of the structural parts of the highways, but which tends to increase highway efficiency and safety to the traveling public. It includes placement of centerline and guideline markings, the

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erection and upkeep of markers and safety signs, upkeep of protective devices and guardrail, removal of dirt and debris, snow removal and ice control work, and vegetation control. Operation costs are more or less independent of the type and age of the highway.

Costs for the placement of centerline and guideline markings, the erection and upkeep of markers and safety signs, and the upkeep of protective devices are incurred by both the Bureau of Traffic and the Bureau of Maintenance, but the direction and control of these costs are exercised by the Bureau of Traffic. Table 33 shows only the total costs of the above items under the class of work entitled Traffic operation. A detailed breakdown of these costs appears in Section X, Traffic, of this report.

Maintenance costs are assembled by units called *maintenance patrols*. A patrol consists of the adjacent sections of pavement of the same type and age and usually on the same route. *Operation* costs are assembled by *maintenance sections* comprised of the patrols or portions of patrols maintained by one section man.

In computing costs for each of the various accounts, such as maintenance of wearing surface, shoulders, ditches, and drainage structures, and snow removal and ice control activities, all overhead and depreciation charges are distributed on the basis of the hours of labor involved in each account.

3. MILES MAINTAINED, COST, AND COST PER MILE.—The Bureau of Maintenance is responsible for maintaining all State highways. Most of the mileage is maintained directly by State highway maintenance forces, but in some instances a municipality or county may maintain a State section under an agreement with the State.

For cost accounting purposes the Bureau of Maintenance uses the weighted average miles maintained for computation of costs per mile. However, for other purposes the miles maintained at the end of the calendar year is needed for checking with other informational releases of the Division, consequently, both mileages are given in each of the interstate, regular, and expressway maintenance tables.

A summary of the mileages maintained at December 31, 1964, the weighted average mileage, and the number of highway and bridge patrols is given in the tabulation which follows:

Class of Work	Miles Maintained		Number of Patrols	
	At Dec. 31, 1964	Weighted Average Mileage	Highway	Bridge
Direct Maintenance:				
Interstate.....	605.15	554.90	66	203
Regular.....	14,327.99	14,314.49	2,432	1,506
Expressway.....	105.23	90.10	6	82
Subtotal.....	15,038.37	14,959.49	2,504	1,791
Municipal Street Maintenance.....	771.03	771.03		
Total.....	15,809.40	15,730.52	2,504	1,791

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The details concerning interstate, regular, and expressway maintenance are given in Tables 29, 30, and 31, respectively, while the costs for both maintenance and operation for 1964 is compared with the previous year in Tables 32 and 33. State maintenance of streets and beltlines is not included in these tables, but on page 184 a brief account of municipal maintenance is given. However, to give a brief and overall picture of mileage, cost, and cost per mile the following tabulation has been made.

System	Miles	Cost of		Total	Cost Per Mile
		Maintenance	Operation		
Interstate.....	554.90	\$ 720,651.91	\$ 1,958,934.70	\$ 2,679,586.61	\$4,828.95
Regular.....	14,314.49	16,294,929.41	24,459,056.51	40,753,985.92	2,847.04
Expressway.....	90.10	943,586.09	4,348,330.44	5,291,916.53	58,733.81
Subtotal.....	14,959.49	\$17,959,167.41	\$30,766,321.65	\$48,725,489.06	3,257.16
Municipal.....	771.03			630,374.51	817.57
Total.....	15,730.52			\$49,355,863.57	3,137.59

The expressway maintenance and operation given above include that for Edens, Kennedy, Eisenhower, Dan Ryan, Stevenson, and Calumet Expressways all of which are in the Chicago metropolitan area. Most of this expressway mileage is also on the interstate highway system consisting of 6, 8, 10, and more lane highways. On some sections of these expressways as many as 200,000 cars use the facility daily. With traffic in this range, much of the maintenance and operation work must be done at night or in the early morning when traffic is low.

Other factors contributing to higher maintenance costs on expressways are more extensive drainage problems on depressed sections, greater number of structures to maintain, more signs and more lanes to stripe, lighting equipment to service, more rigid requirements in snow removal and ice control, and more extensive care of landscaping and control of vegetation. These services together with generally higher wage scales in the metropolitan area result in the cost per mile for maintenance and operation of expressways of \$58,733.81.

If reduced to a cost per lane-mile, maintenance of expressways would be about 6 times that of the rural highways and if converted to a cost per vehicle mile served the maintenance of expressways would be considerably less than that of other State highways.

TABLE 29.—INTERSTATE MAINTENANCE PATROLS, MILEAGES, AND COSTS FOR 1964.
(EXCLUSIVE OF INTERSTATE HIGHWAYS COINCIDENT WITH EXPRESSWAYS IN COOK COUNTY)

Types of Surfaced Roads							Grand Total
Unit	Portland Cement Concrete	Other Bit. Types on Flexible Base	Sheet and Bit. Con. on Rigid Base	Bridges of 100-Ft. Length and Over	Service Drives		
Account							
Number of Patrols.....	63	1	2	203	.....	269	
Miles maintained at December 31, 1964.....	589.46	11.15	4.54	.....	.....	605.15	
Weighted average miles maintained during 1964.....	540.32	11.15	3.43	No. of Bridges 672	.....	554.90	
Maintenance of wearing surface—Paved surface.....	\$272,442.45	\$2,488.43	.....	.....	.....	\$274,930.88	
	504.23	223.18	.....	.....	.....	495.46	
Shoulders, ditches, cuts, and fills.....	312,030.86	3,371.37	.....	.....	.....	315,402.23	
	577.49	302.37	.....	.....	.....	568.39	
Small bridges concrete and steel.....	3,021.77	.....	.....	.....	.....	3,021.77	
	5.59	.....	.....	.....	.....	5.45	
Culverts and other drainage facilities.....	23,224.28	347.60	.....	.....	.....	23,571.88	
	42.98	31.17	.....	.....	.....	42.48	
Miscellaneous structures and facilities.....	7,876.28	.....	.....	.....	.....	7,876.28	
	14.58	.....	.....	.....	.....	14.19	
Large bridges ¹ (100-ft. length or over).....	.....	.....	.....	\$36,739.37	.....	36,739.37	
	.....	.....	.....	54.67	.....	54.67	
Service drives.....	.....	.....	.....	.....	\$59,109.50	59,109.50	
	.....	.....	.....	.....	.....	106.52	
Total maintenance cost.....	\$618,595.64	\$6,207.40	3	\$36,739.37	\$59,109.50	\$720,651.91	
Total cost per mile ²	\$ 1,144.87	\$ 556.72	.....	.....	.....	\$ 1,298.70	

Notes: All costs include administration and engineering expense of the districts and a pro rata share of the central office expense.
¹ Includes the costs for maintenance of movable span bridges formerly reported separately.
² Cost per mile is found by dividing weighted average mileage into applicable costs.
³ No separate costs were kept for the 3.43 miles shown above.

TABLE 30.—REGULAR MAINTENANCE PATROLS, MILEAGES, AND COSTS FOR 1964¹.

Account	Unit	Types of Surfaced Roads							Bridges of 100-Foot Length or Over and Misc. Items	Grand Total
		Portland Cement Concrete	Brick	Sheet Asph. and Bit. Conc. on Rigid Base	Other Bituminous Types		Water-bound Macadam	Gravel		
					Rigid Base	Flexible Base				
Number of patrols.....	Bridges.....								1,506	1,506
	Highways.....	1,292	32	931	9	40	8	23		2,432
Maintained December 31, 1964.....	Miles.....	6,768.15	33.99	6,870.06	30.23	171.04	7.13	47.40		14,327.99
Maintained (weight average).....	Miles.....	6,855.20	35.00	6,762.79	30.23	157.95	7.13	53.16	1,545 Bridges	14,314.49
Wearing surface.....	Cost.....	\$5,387,675.25	\$48,598.76	\$3,515,785.42	\$8,740.28	\$19,240.25	\$1,062.52	\$3,543.96		9,072,486.95
	Cost per mile...	785.93	1,388.54	519.87	289.12	121.81	149.02	66.67		633.80
Shoulders, ditches, cuts, and fills.....	Cost.....	2,852,047.71	16,075.94	2,501,697.07	9,796.92	44,059.93		3,739.37		5,543,599.22
	Cost per mile...	416.04	459.31	369.92	324.08	278.95		70.34		387.27
Small bridges (less than 100-ft. length)...	Cost.....	113,465.54	154.58	135,746.57		979.78		165.93		255,730.65
	Cost per mile...	16.55	4.42	20.07		6.21		3.12		17.87
Culverts and other drainage facilities....	Cost.....	157,945.54	1,637.44	235,612.70	512.29	2,339.30				409,976.03
	Cost per mile...	23.04	46.78	34.84	16.95	14.81				28.64
Miscellaneous items....	Cost.....	13,287.90	839.81	14,565.33	87.00	319.41				29,870.59
	Cost per mile...	1.94	23.99	2.16	2.88	2.02				2.09
Large bridges ² (100-ft. length and over).....	Cost.....								\$960,176.71	960,176.71
	Cost per bridge.								621.47	621.47
Service drives.....	Cost.....								23,089.26	23,089.26
	Cost per mile...									1.61
Total maintenance cost ³		\$8,524,421.94	\$67,306.53	\$6,403,407.09	\$19,136.49	\$66,938.67	\$1,062.52	\$7,449.26	\$983,265.97	\$16,294,929.41
Total cost per mile ³		\$1,243.50	\$1,923.04	\$946.86	\$633.03	\$423.80	\$149.02	\$140.13		\$1,138.35

Notes: All costs include administration and engineering expense of the district offices and a pro rata share of the central office expense.
¹ Does not include costs for 554.90 miles of Interstate Highways or 90.10 miles of Expressways which are reported in Tables 29 and 31 of this section.
² Includes costs for maintenance of movable-span bridges formerly reported separately
³ Cost per mile is found by dividing weighted average mileage into applicable costs.

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TABLE 31.—EXPRESSWAY MAINTENANCE PATROLS, MILEAGES, AND COSTS FOR 1964.¹

Account	Unit	Total
Number of Patrols ²	Bridges.....	82
	Highways.....	6
Maintained at December 31, 1964.....	Miles.....	105.23
Maintained (weighted average).....	Miles.....	90.10
Maintenance:		
Wearing Surface.....	Total cost.....	\$346,447.74
	Cost per mile...	3,845.15
Shoulders, ditches, cuts, and fills.....	Total cost.....	115,109.05
	Cost per mile...	1,277.57
Culverts and other drainage facilities.....	Total cost.....	27,354.60
	Cost per mile...	303.60
Large bridges or overhead structures (100-ft. length and over).....	Total cost.....	439,308.93
	Cost per bridge.	1,103.79
Miscellaneous structures and facilities.....	Total cost.....	15,365.77
	Cost per mile...	170.54
Total maintenance.....	Total cost.....	\$943,586.09
	Cost per mile...	\$ 10,472.65
Operation:		
Cutting and clearing vegetation.....	Total cost.....	\$261,907.63
	Cost per mile...	2,906.85
Snow removal and ice control.....	Total cost.....	847,594.93
	Cost per mile...	9,407.27
Clearing dirt and debris.....	Total cost.....	1,197,279.89
	Cost per mile...	13,288.35
Roadside planting maintenance.....	Total cost.....	134,149.82
	Cost per mile...	1,488.90
Upkeep of guardrail.....	Total cost.....	125,023.25
	Cost per mile...	1,387.61
Subway and drainage pumping.....	Total cost.....	147,593.44
	Cost per mile...	1,638.11
Traffic operation ³	Total cost.....	1,634,781.48
	Cost per mile...	18,144.07
Total operation.....	Total cost.....	4,348,330.44
	Cost per mile...	48,261.16
Total highway maintenance and operation.....	Total cost.....	\$5,291,916.53
	Cost per mile...	\$58,733.81

Note: All costs include administration and engineering expense of the district office and a pro rata share of the central office expense.

¹ Cost per mile is calculated by using weighted average miles maintained.

² Included in the 82 patrols for bridges of 100 ft. or longer there are 398 individual structures.

³ Payable from the appropriation for highway traffic operations.

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TABLE 32.—COMPARISON OF INTERSTATE MAINTENANCE AND OPERATION COSTS FOR 1963 AND 1964.
(EXCLUSIVE OF INTERSTATE HIGHWAYS COINCIDENT WITH EXPRESSWAYS IN COOK COUNTY.)

Class of Work	1963 Costs ¹			1964 Costs ¹			Change	
	Total	Per Cent of Total	Per Mile	Total	Per Cent of Total	Per Mile	Total	Per Mile
Maintenance:								
Wearing surface.....	\$148,017.03	7.35	\$320.31	\$274,930.88	10.26	\$495.46	\$126,913.85	+\$175.15
Shoulders, ditches, cuts, and fills.....	313,988.60	15.59	679.47	315,402.23	11.77	568.39	1,413.63	- 111.08
Large bridges—100-ft. length and over.....	33,103.88	1.64	268.26	36,739.37	1.37	254.67	3,635.49	- 13.59
Culverts and other drainage facilities.....	23,384.54	1.16	50.60	23,571.88	0.88	42.48	187.34	- 8.12
Small bridges—less than 100-ft. length.....	1,465.69	0.07	3.17	3,021.77	0.11	5.45	1,556.08	- 2.28
Miscellaneous structures and facilities.....	7,544.49	0.38	16.33	7,876.28	0.29	14.19	331.79	- 2.14
Service drives.....	40,771.11	2.03	88.23	59,109.50	2.21	106.52	18,338.39	± 18.29
Total maintenance.....	\$568,275.34	28.22	\$1,229.74	\$720,651.91	26.89	\$1,298.70	\$152,376.57	± \$ 68.96
Operation:								
Cutting and clearing vegetation.....	\$456,796.09	22.68	\$988.50	\$569,495.54	21.25	\$1,026.30	\$112,699.45	± \$ 37.80
Snow removal and ice control.....	396,927.98	19.71	858.95	482,827.40	18.02	870.12	85,899.42	± 11.17
Clearing dirt and debris.....	300,937.22	14.94	651.22	391,673.18	14.62	705.84	90,735.96	± 54.62
Roadside planting maintenance.....	86,437.27	4.29	187.05	180,193.58	6.72	324.73	93,756.31	± 137.68
Upkeep of guardrail.....	43,025.43	2.14	93.11	68,803.64	2.57	123.99	25,778.21	± 30.88
Subway and drainage pumping.....	6,425.40	0.32	13.90	6,894.80	0.26	12.43	469.40	- 1.47
Rest area maintenance.....	2,276.73	0.11	4.93	5,568.72	0.21	10.04	3,291.99	± 5.11
Traffic operation ²	152,748.96	7.59	330.55	253,477.84	9.46	456.80	100,728.88	± 126.25
Total operation.....	\$1,445,575.08	71.78	\$3,128.21	\$1,958,934.70	73.11	\$3,530.25	\$513,359.62	± \$402.04
Total highway maintenance and operation.....	\$2,013,850.42	100.00	\$4,357.95	\$2,679,586.61	100.00	\$4,828.95	\$665,736.19	± \$471.00

Note: Costs include administration and engineering expense of district offices and a pro rata share of the central office expense.
¹ Cost per mile in this table was based on weighted average miles maintained of 462.11 and 554.90 for 1963 and 1964, respectively.
² Cost per bridge—includes costs for maintenance of movable-span bridges formerly reported separately.
³ Payable from highway traffic operations appropriation—a breakdown of traffic costs is shown in a separate table in this report.

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TABLE 33.—COMPARISON OF REGULAR HIGHWAY MAINTENANCE AND OPERATION COSTS FOR 1963 AND 1964.

Class of Work	1963 Costs			1964 Costs			Change	
	Total	Per Cent of Total	Per Mile ¹	Total	Per Cent of Total	Per Mile ¹	Total	Per Mile
Maintenance:								
Wearing surface.....	\$8,625,525.47	22.74	\$603.39	\$9,072,486.95	22.26	\$633.80	+\$446,961.48	+\$30.41
Shoulders, ditches, cuts, and fills.....	5,101,028.54	13.45	356.84	5,543,599.22	13.60	387.27	+\$442,570.68	+\$30.43
Large bridges (100-ft. length and over).....	889,241.53	2.34	2578.93	960,176.71	2.36	2621.47	+\$70,935.13	+\$42.54
Culverts and other drainage facilities.....	404,826.80	1.07	28.32	409,976.03	1.01	28.64	+\$5,149.23	+\$0.32
Small bridges (less than 100-ft. length).....	155,455.19	0.41	10.87	255,730.65	0.62	17.87	+\$100,275.46	+\$7.00
Miscellaneous structures and facilities.....	30,985.35	0.08	2.17	29,870.59	0.07	2.09	-\$1,114.76	-\$0.08
Service drives.....	13,740.45	0.04	0.96	23,089.26	0.06	1.61	+\$9,348.81	+\$0.65
Total maintenance.....	\$15,220,803.38	40.13	\$1,064.76	\$16,294,929.41	39.98	\$1,138.35	+\$1,074,126.03	+\$73.59
Operation:								
Cutting and clearing vegetation.....	\$5,908,885.93	15.58	\$413.35	\$6,382,517.63	15.66	\$445.88	+\$473,631.70	+\$32.53
Snow removal and ice control.....	6,941,929.43	18.30	485.62	6,934,968.27	17.02	484.47	-\$6,961.16	-\$1.15
Clearing dirt and debris.....	3,949,815.49	10.42	276.31	4,124,612.83	10.12	288.14	+\$174,797.34	+\$11.83
Roadside planting maintenance.....	543,038.48	1.43	37.99	369,819.19	0.91	25.84	-\$173,219.29	-\$12.15
Upkeep of guardrail.....	479,483.39	1.26	33.54	450,532.08	1.11	31.47	-\$28,951.31	-\$2.07
Subway and drainage pumping.....	119,198.85	0.31	8.34	134,113.19	0.33	9.37	+\$14,914.34	+\$1.03
Electric lighting.....	2,646.24	0.01	0.18	490.21	0.00	0.03	-\$2,156.03	-\$0.15
Traffic operation.....	4,762,720.58	12.56	333.17	6,062,003.11	14.87	423.49	+\$1,299,282.53	+\$90.32
Total operation.....	\$22,707,718.39	59.87	\$1,588.50	\$24,459,056.51	60.02	\$1,708.69	+\$1,751,338.12	+\$120.19
Total highway maintenance and operation.....	\$37,928,521.77	100.00	\$2,653.26	\$40,753,985.92	100.00	\$2,847.04	+\$2,825,464.15	+\$193.78

¹ Cost per mile in this table was based on weighted average miles maintained of 14,295.09 and 14,314.49 for 1963 and 1964, respectively.

² Cost per bridge.

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TABLE 34.—COMPARISON OF ANNUAL HIGHWAY MAINTENANCE AND OPERATION COSTS, 1930 TO 1964, INCLUSIVELY.

Year	Mileage	Maintenance		Operation		Total Maintenance and Operation	
		Total Cost	Cost Per Mile	Total Cost	Cost Per Mile	Total Cost	Cost Per Mile
1930.....	8,519	\$1,749,647.18	\$205.38	\$1,337,611.34	\$157.02	\$3,087,258.52	\$362.40
1931.....	9,530	1,958,134.12	205.47	1,328,918.40	139.45	3,287,052.52	344.92
1932.....	10,459	2,332,253.28	222.99	1,558,649.90	149.02	3,890,903.18	372.01
1933.....	11,234	1,819,343.39	161.95	1,162,922.67	103.52	2,982,266.06	265.47
1934.....	11,886	2,267,471.80	190.77	1,444,799.78	121.55	3,712,271.58	312.32
1935.....	12,223	2,391,909.55	195.69	1,574,893.43	128.85	3,966,802.96	324.54
1936.....	12,515	2,271,627.77	181.51	2,388,325.20	190.84	4,659,952.97	372.35
1937.....	12,742	2,935,431.25	230.38	2,365,445.29	185.64	5,300,876.54	416.02
1938.....	13,067	2,730,534.68	208.96	2,669,708.79	204.31	5,400,243.47	413.27
1939.....	13,319	3,041,150.70	228.33	2,619,706.72	196.69	5,660,857.42	425.02
1940.....	13,558	3,079,790.06	227.16	3,253,101.04	239.94	6,332,891.10	467.10
1941.....	13,853	3,562,474.79	257.16	2,873,841.57	207.46	6,436,316.36	464.62
1942.....	13,941	3,618,649.34	259.57	3,321,607.68	238.26	6,940,257.02	497.83
1943.....	14,052	3,090,481.85	219.92	3,311,451.68	235.65	6,401,933.53	455.57
1944.....	14,093	3,485,901.75	247.36	3,536,330.40	250.94	7,022,232.15	498.30
1945.....	14,109	3,720,034.95	263.66	4,403,280.19	312.08	8,123,315.14	575.74
1946.....	14,113	4,061,284.79	287.78	4,650,465.67	329.52	8,711,750.46	617.30
1947.....	14,125	4,942,038.49	349.87	5,766,839.11	408.26	10,708,877.60	758.13
1948.....	14,134	6,129,120.23	433.65	6,339,784.75	448.55	12,468,904.98	882.20
1949.....	14,168	6,973,572.39	492.21	6,455,231.18	455.62	13,428,803.57	947.83
1950.....	14,224	9,355,382.15	657.70	7,201,589.64	506.29	16,556,971.79	1,163.99
1951.....	14,248	10,292,240.95	722.39	8,647,635.99	606.95	18,939,876.94	1,329.34
1952.....	14,256	11,250,460.33	789.20	9,244,739.81	648.50	20,495,200.14	1,437.70
1953.....	14,233	11,026,356.90	774.71	8,511,335.77	598.00	19,537,692.67	1,372.71
1954.....	14,267	11,994,706.34	840.71	10,968,394.01	763.77	22,963,100.35	1,609.48
1955.....	14,297	11,578,217.78	809.85	11,285,006.47	789.34	22,863,224.25	1,599.19
1956.....	14,344	11,929,219.50	831.65	12,328,119.61	859.46	24,257,339.11	1,691.11
1957.....	14,414	11,984,745.70	831.45	12,702,170.46	881.22	24,686,916.16	1,712.67
1958.....	14,400	13,352,896.89	927.30	13,637,589.64	947.07	26,990,486.53	1,874.37
1959.....	14,434	12,087,221.86	837.41	16,016,040.96	1,109.59	28,103,262.82	1,947.00
1960.....	14,553	13,497,741.50	927.50	18,976,670.78	1,303.98	32,474,412.28	2,231.48
1961.....	14,645	13,742,780.14	938.36	18,466,948.19	1,260.93	32,209,728.33	2,199.29
1962.....	14,711	16,927,645.10	1,150.70	20,951,989.47	1,424.26	37,879,634.57	2,574.96
1963.....	14,757	15,789,078.72	1,069.94	24,153,293.47	1,636.73	39,942,372.19	2,706.67
1964.....	14,869	17,015,581.32	1,144.37	26,417,991.21	1,776.72	43,433,572.53	2,921.08

Note: Before 1941 the mileages did not include detours, unpaved, and temporary routes.

¹ Corrected to agree with adjustments made in 1942.

² Does not include costs for maintenance or traffic operation of expressways which are reported in another table of this section.

³ Contains 554.90 miles of interstate highways and 14,314.49 miles of other State maintained roads.

4. EXPENDITURES AND COSTS.—Table 35 shows annual cash expenditures and costs by accounts according to the biennial appropriations passed by the Seventy-third General Assembly for highway maintenance and highway traffic operations. The cash expenditures in these statements correspond to the accounts captioned Maintenance of State highways and Highway traffic control, appearing in Table 12.

The costs as shown in these tables include cash expenditures for direct charges, administration and engineering, equipment depreciation, and various credits.

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TABLE 35.—EXPENDITURES AND COSTS DURING 1964 FOR HIGHWAY
MAINTENANCE AND OPERATION.

Accounts	Expenditures	Costs
Direct charges:		
Maintenance and operation of highways.....	\$36,355,875.06	\$36,470,849.38
Administration and engineering:		
District offices.....	2,256,703.17	2,256,703.17
Bureau offices.....	320,707.91	320,707.91
Subtotal.....	\$38,933,286.14	\$39,048,260.46
Equipment.....	3,228,761.48	11,830,781.48
Credits.....		103,815.31
Total maintenance and operation (exclusive of traffic operation)...	\$42,162,047.62	\$40,775,226.63
Total traffic operation and equipment ²	8,270,939.89	7,950,262.43
Total maintenance and operation (including traffic operation).....	³ \$50,432,987.51	\$48,725,489.06

¹ Equipment depreciation figured on straight-line basis.

² Breakdown of traffic operation costs is shown in Section X, Traffic, of this report.

³ Payable from the biennial appropriations passed by the 73rd General Assembly for highway maintenance and highway traffic operations.

5. LARGE BRIDGES.—The maintenance patrols for bridges consisted of 203 on interstate highways, 1,506 on regular, and 82 on expressways. This included 672 individual structures on the interstate system, 1,545 on regular maintenance, and 398 on expressways, making a total centerline mileage of 111.52 miles. The cost for bridge maintenance and the cost per bridge is included in the tables of this section.

6. SNOW REMOVAL AND ICE CONTROL.—Table 36 summarizes the cost of snow removal and ice control work for the entire State and by highway districts in three zones during 1964. Table 37 compares the weighted-average mileage and annual cost for this activity for the entire State and for the northern zone for the past thirty-five years.

A total of 173,550 tons of rock salt was applied directly on packed snow and ice during the winter months, and 5,580 tons of calcium chloride were used for treatment of cinders and other abrasives for spreading on the pavements at intersections and other hazardous locations.

Storm warning services provided by two companies specializing in industrial meteorology were again utilized during the winter season with satisfactory results.

TABLE 36.—COST OF REMOVING SNOW AND ICE FROM STATE HIGHWAYS IN 1964.

District and Zone	Mileage	Labor Hours	Direct Expense			Equipment Depreciation	District and Bureau Overhead	Total Cost	Average Cost Per Mile
			Labor		Total				
			Labor	Other					
INTERSTATE									
1.....	47.63	8,200	\$21,863.20	\$28,074.70	\$49,937.90	\$2,509.23	\$2,978.32	\$55,425.45	\$1,163.67
2.....	57.15	4,742	13,316.72	4,519.20	17,835.92	1,689.77	1,866.62	21,392.31	374.32
3.....	139.06	31,367	77,102.91	43,987.03	121,089.94	9,027.54	11,373.27	141,490.75	1,017.48
4.....	17.76	4,874	13,026.85	23,360.72	36,387.57	1,431.41	1,751.44	39,570.42	2,228.06
Total for Northern Zone.....	261.60	49,183	\$125,309.68	\$99,941.65	\$225,251.33	\$14,657.95	\$17,969.65	\$257,878.93	\$985.78
5.....	34.19	10,025	\$27,886.93	\$19,154.63	\$47,041.56	\$2,488.67	\$4,051.51	\$53,581.74	\$1,567.18
6.....	70.14	10,502	25,377.71	2,987.66	28,365.37	2,636.87	3,464.42	34,466.66	491.40
Total for Central Zone.....	104.33	20,527	\$53,264.64	\$22,142.29	\$75,406.93	\$5,125.54	\$7,515.93	\$88,048.40	\$843.94
7.....	69.91	11,298	\$30,468.19	\$28,473.75	\$58,941.94	\$2,681.08	\$3,876.55	\$65,499.57	\$936.91
8.....	69.42	13,590	32,144.30	23,099.58	55,243.88	3,423.45	4,897.14	63,564.47	915.65
9.....	49.64	1,558	4,223.92	2,646.47	6,870.39	377.19	588.45	7,836.03	157.86
Total for Southern Zone.....	188.97	26,446	\$66,836.41	\$54,219.80	\$121,056.21	\$6,481.72	\$9,362.14	\$136,900.07	\$724.45
Total for entire State.....	554.90	96,156	\$245,410.73	\$176,303.74	\$421,714.47	\$26,265.21	\$34,847.72	\$482,827.40	\$870.12
REGULAR STATE									
1.....	1,484.15	146,368	\$392,754.40	\$420,949.06	\$813,703.46	\$44,789.12	\$53,162.26	\$911,654.84	\$614.26
2.....	1,537.32	83,723	237,800.77	202,178.31	439,979.08	29,833.82	32,956.41	502,769.31	327.04
3.....	1,631.05	189,722	515,356.89	416,331.94	931,688.83	54,602.69	68,790.79	1,055,082.31	646.87
4.....	1,490.07	140,269	384,824.30	426,535.54	811,359.84	41,194.52	50,404.83	902,959.19	605.98
10.....	1,229.35	143,181	480,802.96	557,237.54	1,038,040.50	40,951.29	100,930.92	1,179,922.71	959.79
Total for Northern Zone.....	7,371.94	703,263	\$2,011,539.32	\$2,023,232.39	\$4,034,771.71	\$211,371.44	\$306,245.21	\$4,552,388.36	\$617.53
5.....	1,785.34	146,604	\$411,337.08	\$241,932.74	\$653,269.82	\$36,393.98	\$59,248.51	\$748,912.31	\$419.48
6.....	1,389.98	110,643	273,051.18	261,459.50	534,510.68	27,780.48	36,499.16	598,790.32	430.79
Total for Central Zone.....	3,175.32	257,247	\$684,388.26	\$503,392.24	\$1,187,780.50	\$64,174.46	\$95,747.67	\$1,347,702.63	\$424.43
7.....	1,128.22	55,290	\$154,407.16	\$134,484.61	\$288,891.77	\$13,120.63	\$18,971.01	\$320,983.41	\$284.50
8.....	1,517.63	89,742	232,096.65	231,021.69	463,118.34	22,606.89	32,338.42	518,063.65	341.36
9.....	1,121.38	37,534	101,521.38	71,045.72	172,567.10	9,086.75	14,176.37	195,830.22	174.63
Total for Southern Zone.....	3,767.23	182,566	\$488,025.19	\$436,552.02	\$924,577.21	\$44,814.27	\$65,485.80	\$1,034,877.28	\$274.71
Total for entire State.....	14,314.49	1,143,076	\$3,183,952.77	\$2,963,176.65	\$6,147,129.42	\$320,360.17	\$467,478.68	\$6,934,968.27	\$484.47
EXPRESSWAYS									
10.....	90.10	86,180	\$294,593.37	\$491,057.54	\$785,650.91	\$30,126.18	\$31,817.84	\$847,594.93	\$9,407.27

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TABLE 37.—COMPARISON OF ANNUAL SNOW REMOVAL AND ICE CONTROL COSTS
1931 - 1964.

Year	For Entire State			For Northern Zone Only		
	Miles Reported	Total Cost	Cost Per Mile	Miles Reported	Total Cost	Cost Per Mile
1931.....	5,944.40	\$ 289,915.67	\$ 48.77	4,362.06	\$ 240,903.51	\$ 55.23
1932.....	8,499.36	279,710.14	32.91	6,565.95	206,045.27	37.02
1933.....	7,255.60	230,684.53	31.93	4,918.07	194,962.85	39.64
1934.....	9,159.49	270,675.51	29.55	5,312.61	172,411.55	52.45
1935.....	9,516.82	419,872.34	44.12	5,750.52	321,588.88	55.92
1936.....	12,693.90	1,098,427.54	87.01	6,930.00	806,784.24	116.42
1937.....	12,831.64	674,985.18	52.60	7,031.49	429,241.04	61.05
1938.....	13,175.75	593,173.22	45.02	7,186.40	458,994.91	63.87
1939.....	13,378.67	625,905.25	46.78	7,251.10	434,373.90	59.90
1940.....	13,615.49	1,109,962.53	81.52	7,351.29	719,854.25	97.92
1941.....	13,852.98	710,839.77	51.31	7,444.68	545,360.40	73.26
1942.....	13,940.95	847,779.92	60.81	7,475.51	587,462.68	78.58
1943.....	14,052.40	889,063.48	63.27	7,510.40	695,844.49	92.65
1944.....	14,092.54	849,457.98	60.28	7,524.38	568,333.34	75.53
1945.....	14,109.26	1,321,678.97	93.67	7,533.07	899,401.49	119.39
1946.....	14,112.63	1,106,379.30	78.40	7,528.65	742,121.84	98.57
1947.....	14,125.35	1,591,399.16	112.66	7,539.85	1,225,436.24	162.53
1948.....	14,133.95	1,747,642.76	123.65	7,543.44	1,236,310.15	163.89
1949.....	14,167.90	2,080,265.35	146.83	7,543.39	1,566,023.89	207.60
1950.....	14,224.37	2,281,113.17	160.37	7,549.64	1,621,433.03	214.77
1951.....	14,247.54	3,108,455.28	218.17	7,555.10	2,216,405.30	293.37
1952.....	14,255.57	3,166,286.93	222.11	7,558.39	2,254,554.09	298.28
1953.....	14,232.91	2,130,092.51	149.66	7,527.05	1,464,028.79	194.50
1954.....	14,267.41	2,408,941.59	168.84	7,539.21	1,758,156.08	233.20
1955.....	14,296.73	3,238,918.88	226.55	7,534.88	2,205,043.94	292.64
1956.....	14,344.06	3,141,550.47	219.01	7,550.62	2,006,771.16	265.78
1957.....	14,414.25	3,607,152.08	250.25	7,577.97	2,344,306.69	309.36
1958.....	14,399.75	3,682,249.99	255.72	7,551.42	2,560,757.60	339.11
1959.....	14,434.12	4,848,497.71	335.91	7,546.71	3,409,560.55	451.79
1960.....	14,552.86	6,501,513.74	446.75	7,580.21	4,556,140.51	601.06
1961.....	14,645.49	4,641,459.79	316.92	7,596.24	2,701,978.65	355.70
1962.....	14,710.79	7,731,480.26	525.57	7,591.37	5,528,379.93	728.25
1963.....	14,757.20	7,338,857.41	497.31	7,601.05	4,950,347.37	651.27
1964.....	14,869.39	7,417,795.67	498.86	7,633.54	4,810,267.29	630.15

Note: Costs subsequent to 1952 do not include cost of removing snow and ice from expressways.

7. EXTRAORDINARY MAINTENANCE.—Maintenance projects involving unusual expenditures or services which are difficult for maintenance forces to perform are considered extraordinary maintenance. Such work includes repairs to structures; pavement under-sealing; grading of shoulders, backslopes, and ditches; tree removal; treatment to low-type surfaced roads; and other similar work. As indicated in the tabulation of this work which follows much of it was done by contract under supervision of maintenance engineers. However, some extraordinary maintenance jobs suitable for performance by maintenance forces were done by them.

Item	Quantity
Pavement replacement—with Portland cement concrete:	
By maintenance forces.....	26,316 sq. yds.
By contract.....	31,760 sq. yds.
Pavement replacement—with bituminous mixtures:	
By maintenance forces.....	79,739 sq. yds.
By contract.....	5,587 sq. yds.
Intermittent resurfacing:	
By contract.....	1,169,006 sq. yds.

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Item	Quantity
Pavement undersealing:	
By contract.....	382,680 sq. yds
Shoulder improvements:	
By maintenance forces.....	1,851,319 sq. yds.
By contract.....	45,000 sq. yds.
Cleaning and painting steel bridges:	
By maintenance forces.....	35 bridges
By contract.....	79 bridges
Guardrail painting:	
By maintenance forces.....	25,000 lin. ft.
Repairs to low-type surfaced roads:	
By contract.....	388,985 sq. yds.
Seal coat on low-type surfaced roads:	
By contract.....	532,352 sq. yds.
Cutting backslopes, removing slides, and other earthwork:	
By maintenance forces.....	938,252 cu. yds.
Emergency bridge repairs:	
By maintenance forces.....	91 bridges
By contract.....	71 bridges
Tree removal (mainly dead or disease-infested elms):	
By maintenance forces.....	104,369 in. dia.
By contract.....	42,009 in. dia.
Stump removal:	
By maintenance forces.....	14,837
Spraying:	
By maintenance forces.....	2,749 acres
By contract.....	6,344 acres
Seeding:	
By maintenance forces.....	166 acres
Bituminous resurfacing:	
By maintenance forces.....	65,443 sq. yds.
Joint Cutting:	
By maintenance forces.....	1,550 lin. ft.
Mud jacking:	
By maintenance forces.....	2,401 cu. yds.

8. MUNICIPAL STREET MAINTENANCE.—The maintenance of streets in the municipalities for which the State has maintenance obligation is performed directly by State maintenance forces or by the municipalities under the supervision of, and by agreement with, the Division of Highways. In the latter case, the municipalities are reimbursed by the State for the expense incurred. The funds for maintaining these urban streets and portions of beltlines or bypasses within the municipal limits are provided by appropriations from the Road Fund.

In 1964, 771.03 miles of city streets, beltlines, and bypasses were maintained in this manner, of which 649.59 miles were maintained by the municipalities under agreement with the Division, and the remaining 121.44 miles were maintained directly by State forces. The total cost of such maintenance was \$630,374.51.

9. ADDITIONS AND BETTERMENTS.—Work performed under authorization and classed as *additions and betterments* consists of capital improvements added to the highway facilities to modernize them, reduce traffic hazards, or decrease maintenance expense. Although maintenance field forces supervise and perform the work on these projects, the cost is paid from construction funds since it represents additional capital investment.

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The expenditures for the various classes of additions and betterments work are shown in the following tabulation.

Reserve Fund	Amount
Regular A & B construction.....	\$137,883.50
State aid A & B.....	15,599.99
City and belt line A & B.....	1,521.99
Total.....	\$155,005.48

10. PERMITS.—Permits to install sewers, water and gas mains, pole lines, and work of the same nature on State highway right-of-way are supervised by the Bureau of Maintenance. During the year, 8,146 such permits were granted. This total does not include 2,352 access permits issued by the Bureau of Traffic.

11. DAY LABOR.—The Day Labor Section of the Bureau of Maintenance operated in each of the ten highway districts and completed 178 jobs, including 102 bridge repair projects. A summary of the principal items completed is shown in the following tabulation.

Item	Quantity
Bituminous surfaces:	
Seal coat (21 jobs)	765,677 sq. yds.
I-11 surface.....	4,214 tons
Scarify and re-lay base.....	77,343 sq. yds.
Base preparation.....	65,268 sq. yds.
Cover coat mixture.....	307 tons
Bituminous undersealing of pavements:	
Holes drilled.....	39,072 each
Asphalt pumped in place.....	516,312 gallons
Guardrail:	
Removal.....	31,376 lin. ft.
Guardposts removed.....	598 each
Steel plate erected.....	57,864 lin. ft.
Cable fence erected.....	24,183 lin. ft.
Guideposts erected.....	500 each
Cable fence in median erected.....	13,746 lin. ft.
Excavation:	
Earth.....	115,408 cu. yds.
Borrow.....	2,068 cu. yds.
Class A.....	113 cu. yds.
Top soil.....	2,915 cu. yds.
Riprap.....	462 tons
Pipe culverts and storm sewers:	
Pipe culverts.....	1,316 lin. ft.
Storm sewers.....	2,199 lin. ft.
Corrugated metal pipe arch.....	74 lin. ft.
Pavement:	
PCC pavement removal and replacement.....	11,587 sq. yds.
Gravel or crushed stone base course.....	5,327 tons
Gravel or crushed stone surface course.....	3,243 tons
Gravel or crushed stone shoulders.....	13,821 tons
Partial depth PCC patching.....	547 cu. yds.
Pavement expansion joints cut and filled.....	10,457 lin. ft.
Rumble strip surface applied.....	256 sq. yds.

MAINTENANCE

Item	Quantity
Portland cement concrete:	
Class X concrete.....	3,078 cu. yds.
Bridge handrail concrete.....	12 cu. yds.
Concrete curb and gutter.....	1,528 lin. ft.
Concrete paved ditch.....	1,515 lin. ft.
Concrete picnic pads.....	29 each
Gunit concrete.....	825 cu. yds.
PCC sidewalk.....	992 sq. ft.
Partial depth patching.....	902 cu. yds.
PCC median surface.....	27,108 sq. ft.
Bridge deck wearing surface.....	3,948 sq. yds.
Base course concrete.....	149 sq. yds.
Granular backfill:	
Trench backfill.....	365 cu. yds.
Porous granular embankment.....	41 cu. yds.
Sub-base granular backfill.....	21 cu. yds.
Bridge repairs (102 jobs):	
Structural steel.....	169,994 lbs.
Reinforcing steel.....	77,485 lbs.
Lead plates.....	852 lbs.
Metal handrail.....	3,075 lin. ft.
Expansion bolts.....	784 each
Anchor bolts.....	664 each
Hi-tensile steel bolts.....	633 each
Stud anchors.....	520 each
Treated timber.....	18,568 FBM
Hardware.....	500 lbs.
Floor drains installed.....	384 each
Emulsion sand mixture deck sealant.....	31,835 gallons
Water proof pier cups.....	13,406 sq. ft.
Landscaping:	
Complete seeding.....	20 acres
Agricultural limestone.....	15 tons
Fertilizer nutrients.....	1.6 tons
Straw mulch.....	44 tons
Sodding.....	3,301 sq. yds.
Jute matting in place.....	11,938 sq. yds.
Miscellaneous:	
Tree removal.....	261 in. dia.
Concrete removal.....	3,058 cu. yds.
Concrete headwall removal.....	891 cu. yds.
Bituminous concrete removal.....	17,958 sq. yds.
Concrete curb and gutter removal.....	1,856 lin. ft.
Sidewalk removal.....	1,952 sq. ft.
Inlets.....	17 each
Holes drilled for lime stabilization.....	48,319 lin. ft.
Lime used in stabilization.....	507 tons
Water line layed with fittings.....	1,275 lin. ft.
Aggregate stock piled.....	52 cu. yds.

VIII. PLANNING

1. GENERAL.—Generally, the work of the Bureau of Planning consists of gathering factual and statistical information concerning highway revenues, finance, traffic service, road and street mileage, providing mapping services, correlating transportation planning in urban developments, analyzing highway needs, and utilizing these data for forecasting future revenues, developing improvement programs, determining preliminary highway locations, reporting information to the Bureau of Public Roads for nationwide publication, and for answering questions arising in highway administration in Illinois.

Included in the Bureau are four sections: Factual Studies, Urban Planning, Advance Planning, and the Chicago Area Transportation Study. In addition to these sections the Office and Computer Units also work under the direction of the Engineer of Planning.

2. FACTUAL STUDIES.—The Factual Studies Section includes the Road Inventory Unit and the Traffic Studies Unit.

(a) Road Inventory.—The duties of this unit include keeping current information concerning mileages, physical features of rural highways and streets, and making this data available for administrative use. A complete reinventory was conducted in 18 counties which included recording new mileages, changes in surface type, roadway widths, and structures as well as revising adjacent cultural features when changes had taken place. For the other 84 counties, revisions were made for surface types, cultural features, and corporate limits which could be obtained from local sources of information without a detailed field survey. These new data were transferred to mileage tabulations and maps to present the most up-to-date information.

Mileages were tabulated for the four highway systems established by the Illinois Highway Code, namely the State System, the County System, the Township and District Road System, and the Municipal Street System.

The State System includes all highways maintained by the State. These generally fall into two groups: Primary Highways and State Supplemental Highways. The primary system includes all highways with US or Illinois markings, tollways, and those unmarked highways not yet open to traffic, but which will become a part of marked highway network. The State supplemental highways are those highways maintained by the State but which are not marked. At December 31, 1964 the State System contained the following mileage:

System	Mileages		Total Miles
	Rural	Municipal	
Primary.....	10,620.67	2,152.36	12,773.03
Supplementary.....	2,386.84	942.98	3,329.82
Total.....	13,007.51	3,095.34	16,102.85

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Crawford.....	Rural.....	48.65		8.16	2.73	10.89	0.05	152.99		153.04	0.03	612.37	38.67	651.07	863.65
	Municipal..	3.89	.....	1.55	0.20	1.75	.....	1.38	.....	1.38	14.22	56.03	4.47	74.72	81.74
Cumberland....	Rural.....	64.00	.....	3.16	7.84	11.00	.....	105.23	.....	105.23	0.03	441.11	108.23	549.37	729.60
	Municipal..	7.38	.....	2.09	0.11	2.20	.....	2.60	.....	2.60	0.31	26.05	4.48	30.84	43.02
DeKalb.....	Rural.....	100.45	.....	7.96	0.78	8.74	1.10	159.13	.....	160.23	0.29	808.35	19.75	828.39	1,097.81
	Municipal..	15.63	.....	1.12	0.21	1.33	.....	2.43	.....	2.43	32.92	94.68	13.49	141.09	160.48
DeWitt.....	Rural.....	81.59	.....	0.07	2.61	2.68	0.07	91.12	.....	91.19	.....	548.40	36.60	585.00	760.46
	Municipal..	7.19	.....	0.95	.....	0.95	.....	1.94	.....	1.94	10.31	54.06	5.15	69.52	79.60
Douglas.....	Rural.....	80.85	.....	22.93	.....	22.93	2.77	77.88	.....	80.65	5.96	589.41	36.96	632.33	816.76
	Municipal..	4.06	.....	2.75	.....	2.75	.....	0.52	.....	0.52	16.79	63.34	3.21	83.34	90.67
DuPage.....	Rural.....	133.14	0.20	29.56	0.05	29.61	5.81	163.68	.....	169.49	1.34	655.83	13.75	670.92	1,003.36
	Municipal..	49.61	.....	18.00	.....	18.00	0.74	31.72	.....	32.46	242.74	342.76	111.54	697.44	1,797.51
Edgar.....	Rural.....	101.03	.....	14.42	.....	14.42	7.28	135.45	.....	142.73	10.90	846.39	36.94	894.23	1,152.41
	Municipal..	9.47	.....	2.63	.....	2.63	0.26	1.51	.....	1.77	17.35	55.51	7.03	79.89	93.76
Edwards.....	Rural.....	32.28	.....	2.87	2.80	5.67	0.28	66.96	.....	67.24	0.24	251.06	55.70	307.00	412.19
	Municipal..	2.83	.....	1.12	1.73	2.85	.....	1.50	.....	1.50	4.07	18.26	4.95	27.28	34.46
Effingham.....	Rural.....	121.34	.....	3.09	18.59	21.68	0.13	144.10	.....	144.23	0.01	586.31	118.13	704.45	991.79
	Municipal..	13.19	0.19	1.05	1.70	2.75	.....	1.65	.....	1.65	8.75	72.54	9.22	90.51	108.20
Fayette.....	Rural.....	104.32	8.91	1.89	1.09	2.98	.....	163.68	.....	163.68	0.16	905.44	209.19	1,114.79	1,394.68
	Municipal..	9.69	0.08	0.50	.....	0.50	.....	3.38	.....	3.38	8.05	57.11	2.08	67.24	80.89
Ford.....	Rural.....	123.10	.....	4.35	.....	4.35	.....	111.01	0.50	111.51	.....	609.29	107.22	716.51	955.47
	Municipal..	6.72	.....	0.82	.....	0.82	.....	0.94	.....	0.94	13.99	45.20	3.95	63.14	71.62
Franklin.....	Rural.....	111.51	.....	12.14	0.02	12.16	1.30	152.39	.....	153.69	1.05	584.00	33.53	618.58	895.94
	Municipal..	22.33	.....	0.93	.....	0.93	.....	5.69	.....	5.69	25.01	116.68	92.70	234.39	263.34
Fulton.....	Rural.....	190.13	.....	16.91	0.40	17.31	1.22	234.47	0.32	236.01	1.60	830.50	102.19	934.29	1,377.74
	Municipal..	14.23	.....	1.98	0.90	2.88	0.02	0.63	.....	0.65	41.66	96.28	18.10	156.04	173.80
Gallatin.....	Rural.....	42.92	.....	1.44	.....	1.44	.....	101.79	1.34	103.13	.....	272.03	61.52	333.55	481.04
	Municipal..	4.38	0.17	2.35	0.09	2.44	.....	1.57	.....	1.57	.....	25.96	17.48	43.44	52.00
Greene.....	Rural.....	66.71	0.19	0.53	21.68	22.21	0.24	149.74	.....	149.98	.....	558.43	55.47	613.90	852.99
	Municipal..	8.89	.....	0.13	1.41	1.54	.....	3.53	.....	3.53	0.75	55.06	18.88	74.69	88.65
Grundy.....	Rural.....	88.95	.....	13.56	0.40	13.96	0.15	130.27	.....	130.42	.....	479.17	39.84	519.01	752.34
	Municipal..	9.06	.....	2.23	.....	2.23	.....	3.06	.....	3.06	14.87	39.77	22.15	76.79	91.14
Hamilton.....	Rural.....	51.62	.....	.....	.....	.....	.....	134.49	2.35	136.84	.....	501.34	200.26	701.60	890.06
	Municipal..	5.42	.....	.....	.....	.....	.....	2.19	.....	2.19	2.22	21.43	9.33	32.98	40.59
Hancock.....	Rural.....	115.08	.....	5.44	.....	5.44	0.40	191.90	0.07	192.37	0.26	1,004.31	109.54	1,114.11	1,427.00
	Municipal..	17.65	0.56	2.75	.....	2.75	.....	1.58	.....	1.58	33.52	63.11	60.16	156.79	179.33
Hardin.....	Rural.....	31.44	0.96	0.19	1.24	1.43	.....	42.80	.....	42.80	.....	175.20	6.24	181.44	258.07
	Municipal..	2.13	0.84	.....	0.52	0.52	.....	0.39	.....	0.39	0.98	14.09	4.20	19.27	23.15
Henderson.....	Rural.....	69.64	8.33	4.06	3.84	7.90	0.12	81.10	.....	81.22	0.47	350.34	83.15	433.96	601.05
	Municipal..	5.78	2.44	0.12	0.20	0.32	0.01	0.90	.....	0.91	23.74	0.67	18.38	42.79	52.24
Henry.....	Rural.....	206.25	.....	56.79	1.19	57.98	0.34	153.12	.....	153.46	0.14	1,008.77	57.24	1,066.15	1,483.84
	Municipal..	17.39	.....	2.14	0.08	2.22	0.14	2.44	.....	2.58	45.91	134.15	8.68	188.74	210.93
Iroquois.....	Rural.....	172.01	.....	194.99	1.94	196.93	6.63	327.82	.....	334.45	0.64	1,310.23	188.87	1,499.74	2,203.13
	Municipal..	14.05	0.04	6.37	.....	6.37	.....	3.63	0.11	3.74	13.62	97.92	17.90	129.44	153.64
Jackson.....	Rural.....	101.11	19.78	11.21	2.94	14.15	0.05	159.82	.....	159.87	0.21	550.92	103.93	655.06	949.97
	Municipal..	13.21	1.27	0.74	1.34	2.08	.....	1.78	.....	1.78	34.74	90.01	21.09	145.84	164.18
Jasper.....	Rural.....	54.29	.....	4.33	.....	4.33	.....	183.64	.....	183.64	.....	557.26	215.73	772.99	1,015.25
	Municipal..	4.85	.....	0.79	.....	0.79	.....	4.78	.....	4.78	2.05	21.03	10.11	33.19	43.61

TABLE 38.—Continued.

Highway System										PLANNING									
County	State						County						Township and Road District and Municipal Street				Total All Mileage		
	Primary			Supplementary			County			Paved ¹			Low Type Surface ²			Earth		Total	
	Paved ¹	Low Type Surface ²	Total	Paved ¹	Low Type Surface ²	Total	Paved ¹	Low Type Surface ²	Earth	Total	Paved ¹	Low Type Surface ²	Earth	Total					
Jefferson.....	Rural.....	71.88	.....	71.88	11.13	1.09	12.22	.....	254.70	2.49	257.19	.....	710.83	169.04	879.87	1,221.16			
Jersey.....	Municipal..	10.90	.....	10.90	.....	.....	.....	6.43	.....	.....	6.43	.....	78.88	7.84	105.89	123.22			
	Rural.....	63.45	14.36	77.81	5.75	4.69	10.44	0.07	107.91	.....	107.98	.....	360.66	41.32	401.98	598.21			
JoDavies.....	Municipal..	7.50	.....	7.50	1.20	.....	1.20	.....	107.91	.....	107.98	.....	55.23	5.08	67.53	78.85			
	Rural.....	77.42	.....	77.42	2.02	5.27	7.29	.....	167.60	.....	167.60	.....	604.69	15.25	620.30	872.61			
Johnson.....	Municipal..	9.61	.....	9.61	0.03	.....	0.03	.....	167.60	.....	167.60	.....	52.93	19.89	79.28	93.49			
	Rural.....	61.85	9.18	71.03	.....	2.61	2.61	0.17	67.75	.....	67.92	.....	229.70	94.01	324.05	465.61			
.....	Municipal..	8.05	1.01	9.06	0.30	1.29	1.59	.....	0.55	.....	0.55	.....	13.68	15.75	29.79	40.99			
Kane.....	Rural.....	164.38	.....	164.38	23.77	.....	23.77	0.70	297.73	.....	298.43	.....	526.19	6.34	534.82	1,021.40			
	Municipal..	70.90	.....	70.90	6.26	0.39	6.65	0.74	21.12	.....	21.86	.....	269.14	35.03	551.18	650.59			
Kankakee.....	Rural.....	138.42	6.77	145.19	34.01	0.78	34.79	.....	234.14	1.73	235.87	.....	764.44	153.29	917.78	1,333.63			
	Municipal..	13.93	.....	13.93	2.26	.....	2.26	0.52	8.88	.....	9.40	.....	105.36	19.08	175.39	200.98			
Kendall.....	Rural.....	93.50	.....	93.50	0.23	0.59	0.82	0.23	112.89	.....	113.12	.....	368.96	4.87	373.92	581.36			
	Municipal..	6.55	.....	6.55	.....	0.11	0.11	.....	0.87	.....	0.87	.....	41.84	8.42	50.51	58.04			
Knox.....	Rural.....	129.86	.....	129.86	1.76	0.05	1.81	1.08	252.29	.....	253.37	.....	790.76	83.01	875.72	1,260.76			
	Municipal..	21.06	.....	21.06	1.99	.....	1.99	0.05	2.68	.....	2.73	.....	36.76	15.89	203.34	229.12			
Lake.....	Rural.....	236.49	0.44	236.93	25.25	1.27	26.52	1.06	186.89	.....	187.95	.....	624.06	12.59	639.80	1,091.20			
	Municipal..	108.59	2.62	111.21	20.46	0.73	21.19	0.48	41.33	.....	41.81	.....	349.56	180.20	760.98	935.19			
LaSalle.....	Rural.....	282.48	0.08	282.56	24.56	1.25	25.81	0.98	366.61	.....	367.59	.....	1,399.78	86.41	1,488.25	2,164.21			
	Municipal..	30.56	.....	30.56	5.28	.....	5.28	0.88	5.79	.....	6.67	.....	150.63	42.65	343.18	385.69			
Lawrence.....	Rural.....	65.06	.....	65.06	7.78	1.14	8.92	0.14	131.52	.....	131.66	.....	477.39	45.96	526.16	731.80			
	Municipal..	5.19	.....	5.19	0.81	.....	0.81	0.50	0.55	.....	1.05	.....	34.00	7.79	60.54	67.59			
Lee.....	Rural.....	125.35	.....	125.35	32.94	0.72	33.66	1.00	197.70	.....	198.70	.....	825.71	90.89	916.78	1,274.49			
	Municipal..	7.97	.....	7.97	2.33	.....	2.33	.....	2.16	.....	2.16	.....	60.37	14.00	106.78	119.24			
Livingston.....	Rural.....	176.64	.....	176.64	27.77	8.63	36.40	0.03	250.90	1.06	251.99	.....	1,432.53	188.24	1,621.69	2,086.72			
	Municipal..	9.58	.....	9.58	3.73	.....	3.73	.....	1.22	.....	1.22	.....	69.97	10.16	118.24	132.77			
Logan.....	Rural.....	114.14	.....	114.14	6.40	1.34	7.74	0.04	180.88	0.09	181.01	.....	760.77	26.71	787.56	1,090.45			
	Municipal..	10.19	.....	10.19	2.09	0.22	2.31	0.04	5.04	.....	5.08	.....	54.67	9.70	68.74	86.32			
McDonough.....	Rural.....	92.87	.....	92.87	0.66	.....	0.66	0.59	187.10	2.28	189.97	.....	768.03	65.75	835.61	1,119.11			
	Municipal..	9.59	.....	9.59	.....	.....	.....	.....	2.34	.....	2.34	.....	8.78	18.84	117.99	129.92			
McHenry.....	Rural.....	176.02		176.02	6.41	0.02	6.43	1.23	187.17		188.40		919.61	4.27	925.78	1,296.63			
	Municipal..	27.07		27.07	1.16	0.02	1.18	0.02	3.99		4.01		208.49	42.74	278.33	310.59			

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McLean.....	Rural.....	246.28		246.28	16.55	0.14	16.69	0.50	420.56	1.01	422.07	0.09	1,398.92	98.58	1,497.59	2,182.63
Municipal..	.....	20.63	.....	20.63	4.45	0.22	4.67	1.06	15.65	0.17	16.88	86.70	158.81	31.09	276.60	318.78
Macon.....	Rural.....	94.33	.....	94.33	5.99	.....	5.99	2.69	223.14	.....	225.83	0.66	835.61	25.13	861.40	1,187.55
Municipal..	.....	34.64	.....	34.64	3.05	.....	3.05	4.68	10.05	.....	14.73	99.60	167.94	5.23	272.77	325.19
Macoupin.....	Rural.....	138.35	0.15	138.50	25.03	14.32	39.35	0.84	207.34	.....	208.18	0.07	1,002.53	90.96	1,093.56	1,479.59
Municipal..	.....	25.01	.....	25.01	7.04	1.58	8.62	.....	2.56	.....	2.56	10.36	220.66	11.52	242.54	278.73
Madison.....	Rural.....	242.69	0.79	243.48	72.65	6.54	79.19	10.31	166.95	0.32	177.58	19.65	885.63	43.94	949.22	1,449.47
Municipal..	.....	52.21	.....	52.21	21.39	0.16	21.55	2.19	0.63	.....	2.82	159.96	384.68	17.75	562.39	638.97
Marion.....	Rural.....	72.81	.....	72.81	8.71	15.96	24.67	1.54	227.78	.....	229.32	0.79	679.84	172.25	852.88	1,179.68
Municipal..	.....	19.38	.....	19.38	1.08	0.33	1.41	0.23	2.61	0.01	2.85	25.70	146.21	9.48	181.39	205.03
Marshall.....	Rural.....	78.56	12.30	90.86	4.36	0.33	4.69	.....	105.99	.....	105.99	.....	425.51	27.78	453.29	654.83
Municipal..	.....	7.19	1.52	8.71	0.17	.....	0.17	.....	0.37	.....	0.37	3.57	42.91	5.26	51.74	60.99
Mason.....	Rural.....	81.48	.....	81.48	8.32	0.06	8.38	2.16	129.15	4.87	136.18	0.31	470.80	174.57	645.68	871.72
Municipal..	.....	5.52	.....	5.52	1.46	.....	1.46	0.60	3.00	.....	3.60	12.25	50.19	11.37	73.81	84.39
Massac.....	Rural.....	31.22	3.78	35.00	0.08	1.06	1.14	.....	71.07	.....	71.07	.....	294.14	16.72	310.86	418.07
Municipal..	.....	3.63	.....	3.63	0.06	.....	0.06	.....	2.13	.....	2.13	11.45	24.20	5.72	41.37	47.19
Menard.....	Rural.....	44.64	.....	44.64	5.17	0.77	5.94	.....	85.13	.....	85.13	.....	371.08	27.64	398.72	534.43
Municipal..	.....	3.75	.....	3.75	1.13	.....	1.13	.....	1.83	.....	1.83	1.04	35.84	2.66	39.54	46.25
Mercer.....	Rural.....	68.10	.....	68.10	9.14	.....	9.14	0.28	148.41	.....	148.69	0.18	636.30	90.87	727.35	953.28
Municipal..	.....	5.84	.....	5.84	1.19	.....	1.19	.....	5.08	.....	5.08	53.72	13.71	16.40	83.83	95.94
Monroe.....	Rural.....	48.77	.....	48.77	2.78	3.46	6.24	0.11	74.38	0.63	75.12	0.02	395.83	41.14	436.99	567.12
Municipal..	.....	6.65	.....	6.65	2.27	0.04	2.31	.....	.....	.....	.....	0.06	39.70	3.18	42.94	51.90
Montgomery.....	Rural.....	86.06	5.44	91.50	19.07	0.01	19.08	0.33	187.02	0.07	187.42	0.73	909.24	107.58	1,017.55	1,315.55
Municipal..	.....	16.45	.....	16.45	2.98	0.02	3.00	0.09	7.34	.....	7.43	11.55	165.42	8.89	185.86	212.77
Morgan.....	Rural.....	100.64	.....	100.64	14.71	0.33	15.04	.....	165.40	.....	165.40	.....	631.80	90.75	722.55	1,003.63
Municipal..	.....	13.11	.....	13.11	1.82	0.40	2.22	.....	2.10	.....	2.10	31.36	81.25	4.33	116.94	134.37
Moultrie.....	Rural.....	68.01	.....	68.01	20.05	.....	20.05	.....	52.72	.....	52.72	0.10	500.57	27.34	528.01	668.79
Municipal..	.....	5.83	.....	5.83	0.76	.....	0.76	.....	1.38	.....	1.38	4.50	48.29	0.88	53.67	61.64
Ogle.....	Rural.....	156.47	.....	156.47	4.78	5.35	10.13	.....	270.00	3.36	273.36	0.04	866.19	46.35	912.58	1,352.54
Municipal..	.....	13.02	.....	13.02	.....	.....	.....	.....	1.78	.....	1.78	26.69	56.54	16.11	99.34	114.14
Peoria.....	Rural.....	143.33	.....	143.33	26.53	0.55	27.08	1.69	300.28	.....	301.97	4.96	584.52	48.97	638.45	1,110.83
Municipal..	.....	50.00	.....	50.00	16.89	0.29	17.18	0.14	22.21	.....	22.35	307.74	21.88	22.72	352.34	441.87
Perry.....	Rural.....	84.13	.....	84.13	1.16	.....	1.16	0.09	132.33	.....	132.42	.....	403.28	90.18	493.46	711.17
Municipal..	.....	9.12	.....	9.12	0.14	.....	0.14	.....	0.07	.....	0.07	10.57	61.34	6.95	78.86	88.19
Piatt.....	Rural.....	76.68	.....	76.68	35.18	0.02	35.20	.....	71.94	.....	71.94	0.58	595.21	47.06	642.85	826.67
Municipal..	.....	3.71	.....	3.71	4.17	0.06	4.23	.....	1.36	.....	1.36	13.89	52.87	1.53	68.29	77.59
Pike.....	Rural.....	107.08	26.62	133.70	6.98	3.96	10.94	0.20	156.16	0.81	157.17	.....	904.99	116.88	1,021.87	1,323.68
Municipal..	.....	10.29	2.74	13.03	1.41	.....	1.41	0.15	8.40	.....	8.55	10.83	59.88	45.43	116.14	139.13
Pope.....	Rural.....	48.50	2.56	51.06	0.16	0.27	0.43	.....	47.70	.....	47.70	0.09	281.92	65.05	347.06	446.25
Municipal..	.....	1.10	.....	1.10	.....	.....	.....	.....	1.02	.....	1.02	.....	5.35	6.87	12.22	14.34
Pulaski.....	Rural.....	34.62	2.11	36.73	1.99	.....	1.99	0.10	45.18	.....	45.28	0.80	203.97	32.90	237.67	321.67
Municipal..	.....	7.94	0.26	8.20	0.22	.....	0.22	0.03	1.58	.....	1.61	0.48	27.02	14.86	42.36	52.39
Putnam.....	Rural.....	39.03	11.25	50.28	1.78	0.08	1.86	.....	37.56	.....	37.56	.....	178.84	11.52	190.36	280.06
Municipal..	.....	1.24	.....	1.24	.....	.....	.....	.....	0.55	.....	0.55	0.38	20.19	8.52	29.09	30.88
Randolph.....	Rural.....	102.29	.....	102.29	6.58	8.42	15.00	0.55	159.38	2.58	162.51	0.25	551.10	79.75	631.10	910.90
Municipal..	.....	20.12	0.01	20.16	3.66	0.72	4.38	.....	2.22	.....	2.22	7.94	99.19	17.56	124.69	151.45
Richland.....	Rural.....	45.98	.....	45.98	0.72	.....	0.72	.....	137.73	.....	137.73	0.04	490.33	112.00	602.37	786.80
Municipal..	.....	6.81	.....	6.81	.....	.....	.....	.....	3.00	.....	3.00	8.40	50.92	5.66	64.98	74.79

TABLE 38.—Concluded.

Highway System																
County	Area	State				County				Township and Road District and Municipal Street				Total All Mileage		
		Primary		Supplementary		Paved ¹	Low Type Surface ²	Earth	Total	Paved ¹	Low Type Surface ²	Earth	Total			
		Paved ¹	Low Type Surface ²	Total	Paved ¹										Low Type Surface ²	Total
Rock Island	Rural	109.96	0.10	110.06	48.25	1.03	49.28	0.32	173.11		173.43	1.80	374.55	44.08	420.43	753.20
St. Clair	Municipal	46.67	0.02	46.69	22.05	0.03	22.08	1.28	6.73		8.01	245.07	116.94	20.32	382.33	459.11
	Rural	200.56		200.56	25.86	2.17	28.03	24.39	182.89	0.37	207.65	7.05	746.79	46.90	800.74	1,236.98
Saline	Municipal	79.24		79.24	23.89		23.89	4.43	18.66		23.09	155.78	414.97	31.14	601.89	728.11
	Rural	83.59		83.59	4.47	2.79	7.26	2.02	132.38	1.98	136.38	2.31	476.71	61.25	540.27	767.50
Sangamon	Municipal	8.70		8.70	0.85		0.85				2.02	24.94	54.12	18.51	97.57	109.14
	Rural	190.25	0.04	190.29	52.11	2.65	54.76	0.14	248.47		248.61	2.54	1,098.72	41.43	1,142.69	1,636.35
Schuyler	Municipal	35.80		35.80	12.93	0.13	13.06	1.67	9.66		11.33	114.53	214.39	8.93	337.85	398.04
	Rural	81.76		89.26	20.78	0.48	21.26		95.10	0.40	95.50	0.16	453.59	103.76	557.51	763.53
Scott	Municipal	2.56	0.70	3.26	1.32		1.32		0.90		0.90	4.55	12.92	1.89	19.36	24.84
	Rural	37.68		37.68	3.95	7.85	11.80		65.10		65.10		231.74	53.94	285.68	400.26
Shelby	Municipal	4.22		4.22	0.42		0.42	0.01	5.39		5.40	2.45	16.54	7.40	26.39	36.43
	Rural	88.73		88.73	3.32		3.32		224.91	0.99	225.90	0.12	1,097.45	127.40	1,224.97	1,542.92
Stark	Municipal	5.97		5.97	1.15	1.28	2.43		2.20		2.20	7.66	83.57	7.96	99.19	109.79
	Rural	63.10		63.10	2.67		2.67	0.33	104.85		105.18	0.48	325.67	35.65	361.80	532.75
Stephenson	Municipal	4.02		4.02					0.07		0.07	22.14	3.32	2.88	28.34	32.43
	Rural	78.10		78.10	1.06	0.23	1.29	0.21	210.60	0.19	211.00	0.20	778.88	31.58	810.66	1,101.05
Tazewell	Municipal	12.73		12.73	1.52		1.52	2.22	4.69		6.91	44.02	68.02	6.44	118.48	139.64
	Rural	118.98	1.61	120.59	6.92	0.15	7.07	1.42	176.66		178.08	3.14	826.42	41.80	871.36	1,177.10
Union	Municipal	37.65		37.65	6.67	0.04	6.71		3.41		3.41	78.63	174.20	24.11	276.94	324.71
	Rural	70.35	15.48	85.83	0.18		0.18	0.12	110.14		110.26	0.27	385.12	57.16	442.55	638.82
Vermilion	Municipal	6.42	3.14	9.56	0.18	0.63	0.63		2.02		2.02	8.14	28.22	9.97	46.33	58.54
	Rural	135.38		135.38	236.02	1.55	237.57	1.49	34.22		35.71	12.48	1,211.59	44.21	1,268.28	1,676.94
Wabash	Municipal	22.98		22.98	10.42	0.02	10.44	0.50	0.64	0.03	1.17	99.30	168.59	27.96	295.85	330.44
	Rural	34.65		34.65	2.56	0.18	2.74		73.85		73.85	0.19	256.33	31.50	288.02	399.26
Warren	Municipal	4.84		4.84	0.83		0.83		1.00		1.00	15.69	21.16	4.69	41.54	48.21
	Rural	87.76		87.76	4.57	0.09	4.66	0.22	173.13		173.35	1.90	663.79	99.11	764.80	1,030.57
Washington	Municipal	6.55		6.55	0.90		0.90		2.12		2.12	59.36	8.42	1.81	69.59	79.16
	Rural	106.40		106.40	3.58	19.71	23.29	0.04	117.88	3.36	121.28		505.87	158.34	664.21	915.18
Wayne	Municipal	9.55		9.55	0.92	0.57	1.49		1.76	0.31	2.07	0.32	56.64	8.87	65.83	78.94
	Rural	60.11		60.11	3.27	0.88	4.15		220.08	3.50	223.58		852.77	242.45	1,095.22	1,383.06
	Municipal	7.08		7.08					3.24		3.24	3.85	48.40	8.02	60.27	70.59

White.....	Rural.....	80.23	.....	80.23	0.12	0.24	0.36	.....	162.41	2.49	164.90	.....	650.34	136.55	786.89	1,032.38
	Municipal..	8.42	.....	8.42	0.05	.....	0.05	.....	0.99	.....	0.99	.....	52.03	10.08	73.79	83.25
Whiteside.....	Rural.....	130.28	.....	130.48	35.84	9.44	45.28	.....	213.25	1.16	217.50	.....	751.91	52.28	806.66	1,199.92
	Municipal..	19.90	0.10	20.00	1.11	0.05	1.16	1.29	1.95	.....	3.24	.....	106.60	11.57	168.29	192.69
Will.....	Rural.....	236.40	0.10	236.50	46.48	12.65	59.13	1.63	263.51	0.32	265.46	.....	1,131.96	62.24	1,196.01	1,757.10
	Municipal..	48.76	0.40	49.16	24.62	.....	24.62	0.05	11.13	.....	11.18	.....	297.33	51.60	384.58	469.54
Williamson.....	Rural.....	90.37	.....	90.37	25.98	.....	25.98	24.49	77.78	.....	102.27	.....	552.25	56.49	620.70	839.32
	Municipal..	9.71	.....	9.71	3.43	.....	3.43	0.86	0.05	.....	0.91	.....	96.70	32.11	158.74	172.79
Winnebago.....	Rural.....	132.54	2.07	134.61	56.63	1.33	57.96	13.35	293.68	.....	307.03	.....	591.30	33.94	631.76	1,131.36
	Municipal..	34.13	0.09	34.22	15.11	0.05	15.16	2.08	5.06	.....	7.14	.....	278.59	25.36	462.29	518.81
Woodford.....	Rural.....	100.63	14.18	114.81	2.94	1.57	4.51	2.01	144.63	0.59	147.23	.....	660.97	38.97	700.29	966.84
	Municipal..	9.67	0.42	10.09	2.17	.....	2.17	.....	1.17	.....	1.17	.....	62.71	12.49	87.88	101.31
Total.....	Rural.....	10,399.35	221.32	10,620.67	2,103.54	283.30	2,386.84	195.22	16,064.91	43.50	16,303.63	.....	65,546.74	7,490.53	73,211.62	102,522.76
	Municipal..	2,122.87	29.49	2,152.36	916.47	26.51	942.98	102.90	563.73	1.54	668.17	.....	10,119.16	2,105.03	20,967.16	24,730.67
Total All Mileage...	.....	12,522.22	250.81	12,773.03	3,020.01	309.81	3,329.82	298.12	16,628.64	45.04	16,971.80	.....	75,665.90	9,595.56	94,178.78	127,253.43

Note: The mileage of Illinois Tollways exclusive of ramps, which are included in this table, follows:

County	Rural	Municipal	Total
Boone	12.78	.....	12.78
Cook	44.85	42.76	87.61
DuPage	16.22	3.36	19.58
Kane	21.75	0.98	22.73
Lake	22.94	1.50	24.44
McHenry	9.01	.....	9.01
Rock Island (Memorial Bridge).....	0.39	0.35	0.74
Winnebago	15.89	.....	15.89
Total	143.83	48.95	192.78

¹ Paved surface includes block, brick, portland cement concrete, and high-type bituminous.
² Low-type surface includes low-type bituminous, gravel or stone, and oiled earth.

The County System includes all highways maintained by the county and those extensions of these routes into corporate limits which have been designated by the county board and approved by the Division of Highways as county highway extensions. The total designated rural county highway mileage of 16,634 contains about 330 miles on new locations not presently coincident with any existing road. The net rural mileage at December 31, 1964, was 16,303.63 with 668.17 additional miles of extensions into municipal areas making a total existing mileage in the county system of 16,971.80.

The Township and District System consists of all rural public roads not a part of the State or county system. In general these roads are under the jurisdiction of the townships and road districts. At December 31, 1964 this system include 73,211.62 miles.

The Municipal Street System includes all streets in incorporated areas not a part of the State or county system. These consisted of 20,967.16 at the end of 1964.

Table 38 summarizes the rural and municipal mileage in each of the systems by surface type for each county. In the following tabulation the rural mileage by surface type is shown for 1940, 1950, and annually since 1960.

Year	Miles of Rural Highways by Surface Type			
	Paved	Low Type	Earth	Total
1940.....	11,943.7	65,927.7	26,755.9	104,627.3
1950.....	12,166.3	75,540.8	15,712.2	103,419.3
1960.....	12,429.5	81,098.7	8,660.8	102,189.0
1961.....	12,569.9	81,275.7	8,392.8	102,238.4
1962.....	12,675.8	81,389.0	8,213.4	102,278.2
1963.....	12,735.3	81,809.0	7,794.6	102,338.9
1964.....	12,872.5	82,116.3	7,534.0	102,522.8

The total miles of rural highways varies each year because of changes in corporate limits, development of subdivisions, abandonments and relocations caused by new alignments, abandonments from disuse, and new construction. The change in mileage of surface types shown in the preceding tabulation shows an increase in the mileage of low type surface roads and a corresponding decrease in earth roads.

County maps of the general highway series are being redrafted on the polyconic projection using data obtained from aerial photographs and field inventory surveys.

The 1964 series of general highway maps includes all counties which have been redrafted on the polyconic projection except for Cass, Hancock, and Henderson Counties. They have been revised to show the latest reinventory survey data.

Supplementary maps have been drawn for 15 counties; for townships in DuPage and Lake Counties; and for the six townships in the east range for Kane County.

All of the county general highway maps and supplemental maps were revised to show the changes in surface types of rural highways and revision of incorporated limits of the municipalities as reported by the districts for 1964.

Other work completed by the Road Inventory Unit consists of revising and publishing the Illinois Official Highway Map; completing the Federal-aid primary, interstate, and secondary maps; drawing the 1964 State total traffic map; drawing maps for 20 cities which makes the total of 73 city maps completed by the end of 1964; and completing 33 city traffic maps which makes a total of 230 city traffic maps completed.

(b) *Traffic Studies.*—Current and future traffic data are necessary for efficient planning of a highway system, for location and design of specific facilities, and for the operation of highway facilities. The Traffic Studies Unit collects, compiles, analyzes, and projects traffic data pertaining to the volume, type, and weight of vehicles traveling on streets and highways in Illinois.

Traffic volume information is obtained by employing a sampling process of taking counts. A combination of mechanical and manual methods of counting is used, but the bulk of counts is made by machines. Continuous and regularly scheduled counts made at permanent locations are used to determine hourly, daily, seasonal, and longer term trends in traffic flow. Short counts (8, 24, and 48-hour) are taken at specific locations. The short counts are expanded to longer periods using factors developed from the stations located at permanent sites.

Traffic volumes are usually presented on a map showing the average daily traffic (ADT). State, county, and city traffic maps are prepared and kept current as needs require. In 1964, emphasis was placed upon obtaining counts on (1) the rural secondary roads of the State, (2) the streets in the cities where metropolitan transportation studies are being made, and (3) the primary routes. However, the counts on the primary routes were limited to those needed to keep the traffic maps current.

The total traffic in 1964 increased 5.2 per cent over 1963. During the same period, the single-unit truck traffic increased 3.2 per cent, the large truck combination traffic increased 4.9 per cent, and the passenger car traffic increased 5.5 per cent. A Statewide forecast, made as part of the 1965 Interstate Estimate, shows that the vehicle miles of travel in Illinois will double in the next 25 years.

Ten per cent of the total road and street mileage in Illinois is on the State primary system, yet these roads carry over one-half the total travel. It is estimated that when the interstate system is completed, travel on the 1,631 miles of these highways, although representing only 1.5 per cent of the road and street mileage in Illinois, will carry 20 per cent of the total traffic. Furthermore it is estimated that interstate and other State primary highways will grow in importance when compared to other roads and by 1990 will carry about 2/3 of all travel in Illinois.

Manual counts are necessary to determine the number of various classes of vehicles using the highways. With these data and the volume of travel obtained by machine counts State traffic maps are prepared showing the commercial traffic (tractor truck semitrailer traffic) using the highways. These maps are revised every three years. In 1964, the manual counts were limited to those necessary to indicate trends in classification and also to serve as checks on the machine counts.

Truck weight surveys on State primary highways continued in 1964. From these surveys the average weights of loaded and empty commercial vehicles were obtained for 1964 and comparisons were made with similar information of previous years. These data are summarized in Table 39.

Traffic forecasts were prepared and detailed traffic estimates were made for the interstate routes in conjunction with the 1965 Interstate Estimate. The assignment of traffic in these forecasts gave consideration for diverted traffic, generated traffic, land use, and the increase in population and vehicle ownership. These factors are also used in traffic estimates for design purposes and in forecasting traffic for new locations or in situations where major improvements are planned.

3. URBAN PLANNING SECTION.—The general objective of this section is to implement a continuing comprehensive transportation planning process for each of the 202 municipalities with a population of 5,000 or more. This work includes: (1) assisting in the formulation of policies on urban transportation systems; (2) preparing and keeping current plans for transportation systems which will promote better traffic service for State and local interests; (3) developing procedures for cooperative relationships between State and local governments; (4) extending technical assistance and advice in transportation planning; and (5) participating in studies and research in the techniques of urban planning.

To accomplish these goals, the Urban Planning Section is divided into three units: Land Use; Traffic; and Facility Planning.

The *Land Use Unit* furnishes guidance in inventories and forecasts of population and land use and relates these factors to urban highway and transportation plans.

The *Traffic Unit* forecasts traffic, assigns traffic to proposed transportation facilities, and analyzes capacities of existing and proposed facilities.

The *Facility Planning Unit* reviews and develops existing and proposed transportation facilities including evaluation of their economic feasibility.

Major emphasis during 1964 was placed on the development of a comprehensive planning process for each of the eleven urbanized areas of Illinois. The Federal-Aid Highway Act of 1962 required that this be done by July 1, 1965 in order to qualify for Federal highway funds. The urbanized areas include Chicago, Aurora, Joliet, Rockford, Peoria, Rock Island-Moline, Decatur, Springfield, Champaign-Urbana, East St. Louis, and East Dubuque (part of Dubuque, Iowa-Illinois Urbanized Area).

TABLE 39.—COMPARISON OF AVERAGE WEIGHTS OF LOADED AND EMPTY COMMERCIAL VEHICLES.

Vehicle Type and Year Weighed	Total—All Vehicles		Loaded Vehicles		Empty Vehicles	
	Distribution by Vehicle Type	Average Weight	Per Cent of Total Vehicles Weighed	Average Weight	Per Cent of Total Vehicles Weighed	Average Weight
	Per Cent	Pounds	Per Cent	Pounds	Per Cent	Pounds
Single-Unit Trucks						
Year 1964.....	260.52	8,430	47.14	10,870	52.86	6,253
Year 1959.....	260.49	9,299	59.41	11,518	40.59	6,034
Year 1942.....	71.00	9,233	54.74	11,633	45.26	6,330
Year 1936.....	79.67	7,690	63.52	8,975	36.48	5,452
Tractor-Truck Semitrailers						
Year 1964.....	239.27	43,117	71.28	50,459	28.72	24,888
Year 1959.....	239.51	38,808	72.70	45,169	27.30	21,964
Year 1942.....	27.56	26,000	68.48	30,676	31.52	16,144
Year 1936.....	18.42	22,212	79.78	24,868	20.22	11,736
Trailer Combinations ¹						
Year 1964.....	20.21	28,890	65.63	32,560	34.37	22,165
Year 1959.....	20.49	38,872	71.19	40,561	28.81	26,588
Year 1942.....	1.44	25,807	59.26	32,613	40.74	15,909
Year 1936.....	1.91	24,588	59.26	31,881	40.74	13,982

¹ Includes combinations consisting of tractor-truck semitrailers with trailers as well as combinations consisting of trucks with trailers.

² Percentage distribution by vehicle type of all vehicles for the years 1959 and 1964 was made from key station summaries.

In connection with the urbanized area transportation planning processes, origin and destination studies were undertaken in Rockford, Rock Island-Moline, Peoria, Joliet, Springfield, Decatur, and East St. Louis in 1964. Progress was also made in the execution of cooperative agreements and determination of work programs for planning studies in these areas.

In addition, major programs during 1964 included: completion of Madison-St. Clair Counties Needs Study; undertaking of the LaSalle County and Carbondale Transportation Studies; and continuation of studies in Lake County (pilot study of new methods and techniques), Harrisburg, and Fox River Valley.

This Section also assisted in the study of land development at freeway interchanges; participated in the demonstration study for utilizing the full capacity of urban streets; supervised the preparation of revisions of urban area descriptions for Federal-aid programing; cooperated with planning agencies in the preparation of the transportation elements of various HHFA 701 comprehensive planning programs; distributed educational material on urban planning to the district offices and to other governmental and planning agencies; and performed other routine and special planning studies.

4. ADVANCE PLANNING.—This section contains two units: Highway Cost and Administrative Studies.

(a) *Highway Cost Unit*.—This unit conducts annual studies of highway finance in the State and local governments and summarizes this data into tables showing funds collected, allocated, and expended both from property taxes and from motor-user taxes; compiles, edits, and publishes the Annual Report of the Division of Highways, the Illinois Highway Story, and miscellaneous publications of the Division; makes periodic revision of road life data, motor fuel consumption, and financial forecasts; and makes studies of deficiencies on State highways of Illinois, including conducting the study to determine the remaining cost needed to complete the interstate system. Most of these studies are made with the cooperation and participation of the Federal Bureau of Public Roads.

The *local finance study* involves the collection and analysis of data concerning the financial transactions of counties, cities, and townships for roads, streets, and related purposes. In 1964 the tabulations for the 1962 fiscal year were completed and a summary of these data was published on pages 216 and 217 of the 1963 Annual Report. The information for the 1963 fiscal year was completed in 1965 and a summary of this information is shown in Table 40 of this report. A comparison of highway financial information of all governments in Illinois for the period 1958 to 1963 is given in Table 41.

TABLE 40.—RECEIPTS AND DISBURSEMENTS FOR HIGHWAY PURPOSES BY GOVERNMENTAL UNITS OF ILLINOIS DURING THEIR 1963 FISCAL YEAR.

PLANNING

Funds Received and Spent by																
Sources of Receipts and Purposes of Disbursements	State		Counties		Townships and Road Districts		Municipalities ¹		Special Districts ²		Federal Government ³		Toll Bridges Owned by Governmental Agencies		Total	
	Amount	Per Cent	Amount	Per Cent	Amount	Per Cent	Amount	Per Cent	Amount	Per Cent	Amount	Per Cent	Amount	Per Cent	Amount	Per Cent
RECEIPTS																
Property taxes.....	\$255,384,415	93.7	\$24,938,491	42.8	\$31,838,624	84.7	\$20,765,082	29.5	\$1,663,630	89.8					\$79,205,827	12.9
Motor vehicle imposts ⁴	2,485,848	0.9	1,796,934	3.1	124,652	0.3	2,312,458	3.3	69,862	3.8			\$88,322,108	91.3	287,754,047	46.9
Other special imposts.....															15,111,862	2.5
Transfer from general funds.....			436,370	0.8	5,107,067	13.6	6,092,230	8.6	32,941	1.8					11,668,608	1.9
Federal funds.....											\$163,651,125	100.0			163,651,125	26.7
Borrowings.....					484,701	1.3	6,478,944	9.2							6,963,645	1.1
Decrease in balance.....	14,451,747	5.3	17,773,129	30.5					84,884	4.6			794,633	8.7	33,104,393	5.4
Adjustments for aid transfers ⁶	296,855	0.1	13,257,491	22.8	44,390	0.1	2,431,354	3.5							16,030,090	2.6
Total receipts.....	\$272,618,865	100.0	\$58,202,515	100.0	\$37,599,469	100.0	\$70,449,565	100.0	\$1,851,317	100.0	\$163,651,125	100.0	\$9,116,741	100.0	\$613,489,597	100.0
Per cent.....	44.4		9.5		6.1		11.5		0.3		26.7		1.5		100.0	
DISBURSEMENTS																
Direct (except interest)...	\$339,101,943	100.0	\$63,263,579	70.1	\$48,732,947	92.4	\$90,513,762	75.2	\$32,941	1.8			\$2,877,825	31.6	\$544,522,997	88.8
Interest.....			6,997,036	7.8	786,778	1.5	2,807,778	2.3	415,094	22.4			3,248,844	35.6	14,255,530	2.3
Debt retirement.....	5,000	0.0	19,631,332	21.7	2,404,100	4.5	9,958,141	8.3	1,250,000	67.3			1,645,718	18.1	34,894,291	5.7
Related purposes and transfers.....			397,374	0.4			10,785,039	9.0	158,588	8.5			1,344,354	14.7	12,685,355	2.1
Increase in balance.....					830,303	1.6	6,301,121	5.2							7,131,424	1.1
Adjustment for aid transfers ⁶																
Total disbursements...	\$339,106,943	100.0	\$90,289,321	100.0	\$52,754,128	100.0	\$120,365,841	100.0	\$1,856,623	100.0			\$9,116,741	100.0	\$613,489,597	100.0
Per cent.....	55.3		14.7		8.6		19.6		0.3		0.0		1.5		100.0	

¹ Receipts of municipalities do not contain parking fees and other local revenue disbursed for street related purposes such as parking facilities, street cleaning, street lighting, sidewalks, and storm sewers.

² Includes only the Chicago Park District and the Metropolitan Sanitary District of Greater Chicago.

³ Receipts of Federal Government are reimbursements for the Federal share of highway work except for \$290,900 of flood control and miscellaneous Federal fund advances.

⁴ Includes motor fuel tax, State and local registration fees, franchise fees, and traffic fines after collection costs and refunds were paid.

⁵ Includes \$7,844,611 toll collections, \$281,895 pole and pipe leases and railroad rentals, \$153,773 income on investments, \$32,887 civil action damage settlement, and \$8,942 miscellaneous.

⁶ Adjustments for aid transfers are made in this table because the fiscal year of the government granting the aid and that receiving it differ and allotments of motor fuel tax to each class of government generally differ from the amount used during the year.

⁷ Contains the disbursement of Cook County expressway bond funds under direct disbursements and the retirement of principal and interest on bonds issued, although funds are advanced for retirement of these bonds from State revenue.

TABLE 41.—COMPARISON OF HIGHWAY FUND RECEIPTS AND DISBURSEMENTS—1958 - 1963.

Sources of Receipts and Purposes of Disbursements	1958		1959		1960		1961		1962		1963	
	Amount	Per Cent	Amount	Per Cent	Amount	Per Cent	Amount	Per Cent	Amount	Per Cent	Amount	Per Cent
RECEIPTS												
Property taxes.....	\$65,436,851	11.8	\$66,745,492	10.7	\$68,384,778	11.1	\$75,313,845	13.2	\$77,967,182	12.8	\$79,205,827	12.9
Motor vehicle imposts ¹	250,318,530	45.2	252,897,793	40.4	260,410,125	42.3	268,391,986	47.2	283,200,493	46.4	287,754,047	46.9
Other special imposts.....	14,088,222	2.6	13,552,200	2.2	15,626,999	2.5	15,456,956	2.7	14,988,278	2.5	15,111,862	2.5
Transfers from general funds.....	17,211,840	3.1	12,424,397	2.0	14,295,310	2.3	13,151,082	2.3	12,607,466	2.0	11,668,608	1.9
Federal funds.....	107,147,039	19.3	183,173,624	29.3	186,916,361	30.3	133,466,761	23.4	163,148,476	26.7	163,651,125	26.7
Borrowings.....	38,825,685	7.0	86,550,145	13.9	65,427,174	10.6	33,931,437	6.0	37,583,661	6.1	6,963,645	1.1
Decrease in balance.....	52,079,498	9.4	9,432,169	1.5	5,736,893	0.9	29,337,974	5.2	21,286,658	3.5	33,104,393	5.4
Adjustments for aid transfers ² ...	9,061,447	1.6	.....	.....	213,354	0.0	.....	.....	.....	.....	16,030,090	2.6
Total.....	\$554,169,112	100.0	\$624,775,820	100.0	\$617,010,994	100.0	\$569,050,041	100.0	\$610,782,214	100.0	\$613,489,597	100.0
DISBURSEMENTS												
Direct (except interest).....	\$488,526,948	88.2	\$532,905,833	85.3	\$532,800,494	86.4	\$490,188,637	86.1	\$525,834,020	86.1	\$544,522,997	88.8
Interest.....	11,409,524	2.1	12,180,596	2.0	14,321,902	2.3	15,795,247	2.8	15,647,261	2.6	14,255,530	2.3
Debt retirement.....	30,053,333	5.4	33,988,994	5.4	27,903,759	4.5	31,856,061	5.6	33,694,338	5.5	34,894,291	5.7
Related purposes and transfers..	20,173,989	3.6	8,798,161	1.4	7,108,422	1.2	11,493,881	2.0	8,728,348	1.4	12,685,355	2.1
Increase in balance.....	277,283	0.0	24,459,301	3.9	25,575,733	4.1	11,738,947	2.1	15,610,524	2.6	7,131,424	1.1
Adjustments for aid transfers ² ...	3,728,035	0.7	12,442,935	2.0	9,300,684	1.5	7,977,268	1.4	11,267,723	1.8	.....	.....
Total.....	\$554,169,112	100.0	\$624,775,820	100.0	\$617,010,994	100.0	\$569,050,041	100.0	\$610,782,214	100.0	\$613,489,597	100.0

¹ Includes motor fuel tax, State and local vehicle registration fees, franchise fees, and traffic fines after collection costs and refunds were paid.

² Adjustments are principally represented by the difference of the amount of MFT allotted to, and that withdrawn by, the counties and cities and by the differences in fiscal years of governmental units.

State highway finance studies consist of gathering and analyzing information from other departments of the State and from the Controller's Office. This entails compiling data concerning the collection, allotment, and refund of motor fuel taxes; summarizing information concerning the State registration of motor vehicles and the revenue derived from this source; and showing by tables and charts financial transactions of the State for highway purposes. During 1964 information for the 1963 year was completed and reported for State and Federal publications.

The *1963 Annual Report* of the Division of Highways was assembled, edited, and transmitted to the printer. In addition the 1962 Annual Report was released to the public.

The *1964 Illinois Highway Story* was designed, written, edited, and published by the Highway Cost Unit. It is a pictorial account of Illinois highway activity with a brief description of work of the Division of Highways.

The *Central Illinois Expressway Feasibility Study* was completed in 1963. The Consultant retained for this study reported that a freeway from Decatur to the Mississippi River was feasible. During this initial phase of the study a liaison committee was appointed to review and coordinate the work. A member of the Highway Cost Unit was appointed chairman of this committee. In 1964 the Consultant continued with the selection of several alternate locations for detailed study. During this period traffic data, origin and destination surveys, and other information were furnished the consultant. On December 1, 1964 at a meeting in Springfield the consultant described several alternate locations on which further study would be forthcoming in 1965.

The *Illinois Highway Study Commission*, which was created in Senate Bill 902 by the 73rd General Assembly, held public meetings in Peoria, Marion, Rockford, and Decatur to hear citizens' comments concerning highway problems. Members of the Commission are listed on page 3 of the 1963 Annual Report.

Late in 1964 the consulting engineering firm, Wilbur Smith and Associates, was engaged to make a comprehensive study of highways and streets in Illinois. Much of the data necessary for the study is to be furnished by the Division of Highways. The Highway Cost Unit was assigned to furnish data as requested by the Consultant, and to serve as liaison between the Consultant and the Bureaus and governmental agencies which are to be contacted during the study period.

The *1965 Estimate of the cost of completing the National System of Interstate and Defense Highways in Illinois* began early in 1964. This is a study made periodically to furnish Congress with up-to-date figures of funds which must be provided to complete the interstate system as well as furnishing the amount of needs in each state for apportioning Federal interstate funds. Similar previous studies were made in 1957 and in 1960.

The Bureau of Planning was assigned the responsibility of supervising the study and compiling and publishing the final report. The ten districts were asked to furnish the estimate of costs to complete interstate highways within their respective district. To help with the technical phases of the study and to better coordinate the work, a committee on standards was appointed consisting of members from the Bureaus of Planning, Design, Right-of-Way, and the Federal Bureau of Public Roads.

Following the general instructions of the Bureau of Public Roads, the Highway Cost Unit prepared detailed instructions and special forms so each district would report in a similar manner. District and State prices were studied to develop unit prices for the estimates. District weighted average unit prices were used for the major items of work while State unit prices were prepared for the many minor contract items. Costs per mile were compiled for lighting, signing, marking, landscaping, pavement, and shoulders. Prices for pavement structure were proposed for both portland cement concrete pavement and flexible base pavements. These were applied to specific sections depending on commercial traffic, per cent of heavy vehicles, and the pavement supporting quality of the soil. Shoulder design adopted by Illinois in 1964 called for bituminous concrete surface on a stabilized base. Costs were developed for these items and applied on a per mile basis. The estimates were completed and reported to the Bureau of Public Roads by August 1, 1964.

The information derived from the 1965 Interstate Estimate is shown by route, district, and type of work in Table 42. The remaining work represented in this table together with the costs expected to be financed from bond funds are the basis for determining what the Illinois share of interstate funds will be. The tabulation which follows shows the remaining interstate work at January 1, 1964, the funds available, and the remaining cost to be financed both in Illinois and in the United States. The nationwide 1965 Interstate Estimate revealed that at January 1, 1964 the Federal share of interstate work to be financed in Illinois would require 5.738 per cent of future Federal-aid interstate funds. This per cent of the total Federal interstate apportionment will be distributed to Illinois for the fiscal years 1967, 1968, and 1969. The figures in the tabulation on page 205 form the basis for calculation of this factor.

Much of the cost of interstate highways exist in the many bridges, interchanges, and grade separations needed to provide the freeway service. The number completed and the number and cost of struc-

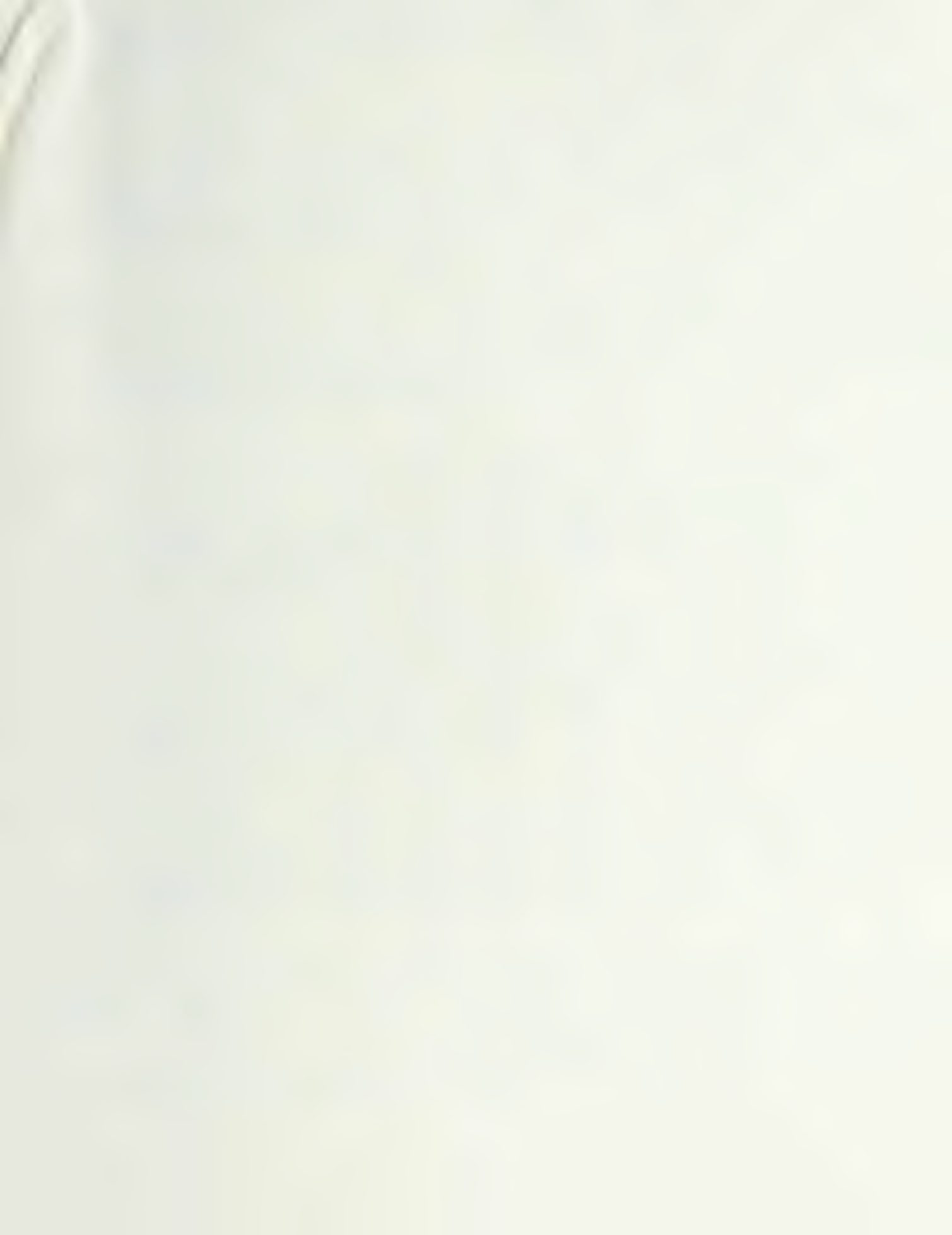


TABLE 42.—TOTAL MILEAGES AND COSTS REMAINING TO COMPLETE THE INTERSTATE SYSTEM AT JANUARY 1, 1964.

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tures remaining to be built is given below.

Structure Status	Inter- changes	Grade Separations		Bridges	Total
		Highway	Railroad		
RURAL					
Completed or authorized.....	34	289	68	134	525
Remaining.....	217	339	76	182	814
Total number.....	251	628	144	316	1,339
Remaining cost (\$000).....	121,583	58,576	22,930	52,312	255,401
URBAN					
Completed or authorized.....	124	159	70	37	390
Remaining.....	88	61	29	16	194
Total number.....	212	220	99	53	584
Remaining cost (\$000).....	115,737	28,576	25,012	60,509	229,834
TOTAL					
Completed or authorized.....	158	448	138	171	915
Remaining.....	305	400	105	198	1,008
Total number.....	463	848	243	369	1,923
Remaining cost (\$000).....	237,320	87,152	47,942	112,821	485,235

After the 1965 Interstate Estimate was completed two revisions were made which affected both the Illinois interstate mileage and remaining cost. On October 15, 1964 the Bureau of Public Roads approved an extension of Interstate 494 from its interchange with Interstate 55 south and easterly to Interstate 90 (Chicago Skyway). This revision added 9 miles to the interstate system and about \$130 million to its remaining cost. The other change was an alignment change on Interstate 57 near Cairo which resulted in reducing the Illinois mileage of that route .3 of a mile. If these items are combined with the data shown in Table 42, the mileage of interstate highways in Illinois would be 1,631.6 with remaining costs of \$1,526,399,000.

Item	Miles	Cost
Total shown in Table 42.....	1,622.9	\$1,396,399,000
Add Extension of Interstate 494.....	9.0	130,000,000
Total.....	1,631.9	\$1,526,399,000
Deduct for alignment revision of Interstate 57.....	0.3	.....
Total miles and remaining cost.....	1,631.6	\$1,526,399,000

Type of Work	Interstate Cost Remaining at January 1, 1964					
	In Illinois			In United States		
	Federal Share		State Share	Federal Share		State Share
	Total		Total	Total		Total
Preliminary engineering.....				Detailed figures not available		\$559, 065, 000
Right-of-way.....						3, 290, 619, 000
Construction and contingencies.....						23, 846, 307, 000
Bond financing.....						361, 784, 000
Total.....						\$28, 057, 775, 000
Less Funds available.....						\$7, 725, 641, 000
Remaining cost.....						\$20, 332, 134, 000
Per cent of total.....						100.0
Apportionment factor.....						

On page 5 of the Summary Section of this report a tabulation shows the status of work on the interstate system at December 31, 1964.

(b) *Administrative Studies.*—The Administrative Studies Unit conducts a number of studies concerning administration, legislation, determining construction priorities, and developing construction programs.

Prior to the meeting of the General Assembly in 1965 this unit analyzed the request of the districts and bureaus of the Division and helped draft bills needed to facilitate State highway administration.

The *annual improvement program*, which is assembled and published by this unit each year, contains a listing of construction and right-of-way projects for the coming year. The proposed improvement program for the 1965 calendar year was released in December 1964. The 1965 program contained projects with estimated costs of \$253,443,000 of which about 65 per cent was for projects on interstate highways.

Programing entails first determining the amount of money available for highway construction for the ensuing year and allocating these funds for work in each of the districts in an equitable manner. Projects are then selected giving priority to those projects which were begun in the previous year and not completed, then including projects in an emergency category because of structural deterioration, and next programing projects with highest priority as indicated by their low sufficiency ratings. Emphasis in interstate programing is toward completing urban sections early to relieve congestion on parallel routes and next to complete and extend sections which can be immediately put into service.

Approval of *Federal-aid route* locations must be obtained from the Bureau of Public Roads before Federal funds can be obligated for their improvements. Changes are often needed in route descriptions. Processing these changes is done by the Administrative Studies Unit. It involves preparing sketch maps showing the part of the route to be relocated, the general alignment of the proposed location, a revised description of the route, and justification for the change. This material is then submitted to the Bureau of Public Roads for approval. Two new routes and twelve revisions were processed in 1964.

5. *CHICAGO AREA TRANSPORTATION STUDY.*—The year 1964 marked the second full year of operation of the Chicago Area Transportation Study in providing a continuous transportation planning function to meet the goals of revising transportation plans, conducting research, keeping current large inventories of data compiled in the basic study, and providing a variety of services to the sponsoring agencies. Work performed to carry out these objectives is described briefly below.

Through use of sampling techniques, data on land use and housing units was updated from the 1956 base to a 1964 level for the area included in this study. The highway network was updated and coded for five northeastern Illinois counties and northwestern Indiana. Most of the work for Cook County was completed.

Four major areas of research work were conducted during the year. Investigation of alternate methods of trip generation was undertaken aimed at estimating trip destinations by purpose. Research to develop a method of trip assignment to a selected area was also under study. Systems research produced several computer programs designed to automate processing of input data for assignments and for data conversion. This section also participated in surveys and analyses designed to measure the effect of the Skokie Swift mass transit project.

Processing and tabulating reports of expressway accidents and Chicago Police Department accidents continued on a monthly schedule. In June, processing reports of emergency patrol vehicles on the Chicago area expressway system was begun. In cooperation with the City of Chicago, this section participated in the design, processing, and tabulation of data for a pedestrian survey in Chicago's Loop, and an airline ground transportation survey. Considerable progress was made in establishing a coordinated traffic count bank for the Chicago area. A total of six full computer assignments to the Chicago area network was run, and fourteen requests for traffic estimates were supplied. Other work included printing of reports and supplying data to governmental, educational, and commercial users.

The Chicago Area Transportation Study continued to work with the consultant in the Fox River Valley Study in preparing 1985 trip estimates, automobile ownership forecast, updating networks, and testing and developing an improved method of calibrating the opportunity model for assigning present and future trips. Nine traffic assignments were performed and analyzed.

During 1964 this section worked closely with the Lake County Transportation Study. Estimates of population and passenger car ownership were prepared and employment data tabulated. Land use, travel, and transit data were compiled, and trip estimates for 1962 and 1985 were completed. Four traffic assignments were run. Analyses of six assignments were completed.

In July responsibility was given this section to be the principal staff agency for carrying out the continuous, comprehensive and co-operative transportation planning requirements of the 1962 Federal-Aid Highway Act in the Chicago area. As required by the Act several meetings were held and informational material was prepared for local community acceptance. Development of a land use transportation plan was also initiated in cooperation with the Northeastern Illinois Planning Commission.

6. THE ELECTRONIC COMPUTER UNIT.—The work in this unit has two objectives: (1) the promotion and expansion of the use of electronic computation as means for increasing engineering productivity within the Division of Highways, and (2) providing electronic computer service for the solution of highway engineering problems for all of the offices in the Division, using programs that have proven to be both accurate and timesaving.

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During 1964, 24 per cent of the computer operation was applied to the development of new programs or the revision of existing programs to provide more information or faster operation. For example, new programs were developed for pier analysis, culvert lengths, abutment dimensions, and bridge geometrics. These and several other programs were developed at the request or suggestion of bureau chiefs or district engineers.

The other 76 per cent of last year's computing time was devoted to the solution of engineering problems related to the design or construction of highways using programs which had previously been developed and checked by the Computer Unit. Work of this category, listed in order of computing time involved, include the following computations: (1) traverse closure which includes distances to control points from known coordinates; (2) bridge deck elevations; (3) influence line ordinates for two to five-span continuous beam bridges; (4) highway earthwork cut and fill quantities; (5) horizontal alignment; and (6) final pay quantities.

Considerable time was also spent by this unit in explaining the use of the computer and conducting classroom lectures to further the understanding of computer use in the Division of Highways.

IX. RESEARCH AND DEVELOPMENT

1. GENERAL.—The Bureau of Research and Development is responsible for implementing, conducting, and coordinating a research and development program to improve the economy and quality of highway planning, design, construction, maintenance, and operation. Duties include preliminary background studies for new research and development, arranging financing, conducting projects, correlating activities on projects conducted within the Division of Highways and by outside agencies under Division sponsorship, disseminating information regarding the results of research and development, and the evolving of practical applications of research and development findings.

The Bureau of Research and Development operates within a framework that includes a Structural Research Section, a Research Coordination Unit, a Products Evaluation Unit, an Instrumentation Development Unit, and an Expressway Surveillance Project Unit. The Structural Research Section is divided into an AASHO Road Test Research Unit, a Bridge Research Unit, and a Foundations Research Unit. The Structural Research Section and the Instrumentation Development Unit are located in the Physical Research Laboratory at Ottawa; the Research Coordination Unit and the Products Evaluation Unit are located in the Bureau headquarters in Springfield; the Expressway Surveillance Project Unit is headquartered in Oak Park.

(a) *The Illinois Highway Research Council* is a twelve-member group serving in an advisory capacity to the Chief Highway Engineer in matters of research. Council members represent the Illinois Division of Highways, the Federal Bureau of Public Roads, the County Superintendents of Highways, the City Engineers, and engineering educational institutions of Illinois. The Council reviews work on active research projects, reviews and approves manuscripts and progress reports for work completed, and reviews and makes recommendations concerning projects that are suggested for addition to the research program.

(b) *The Illinois Highway Development Council* is an eight-member group composed of bureau chiefs and a Deputy Chief Highway Engineer serving in an advisory capacity to the Chief Highway Engineer in developmental matters. This group reviews and makes recommendations relating to practical applications in the highway field of new products, new materials, and new processes. A principal function of this Council is to serve as a clearing house where vendors may introduce new items proposed for highway usage.

2. RESEARCH PROGRAM.—In general, the research work may be divided into two groups: (1) that accomplished within the Division with bureau and district forces, and (2) that conducted wholly or in part by outside agencies through cooperative agreements with the Division. Twenty-one research projects are being conducted currently by Division forces and twenty-seven by agencies acting under contracts with the Division.

The cooperative program provides specialists and equipment for research not otherwise at the disposal of the Division. A major cooperating agent is the University of Illinois. A continuing program of highway research, known as the Illinois Cooperative Highway Research Program, is in progress at the University. Other cooperative studies sponsored by the Illinois Division of Highways are being conducted by Northwestern University and by the United States Geological Survey.

The Federal Bureau of Public Roads is participating in a number of individual research projects deemed to be of national interest. These projects, including those conducted by outside cooperating agencies as well as those conducted by Division forces, are eligible for Federal participation from the 1½ per cent allotment available for highway planning and research.

(a) *The National Cooperative Highway Research Program* is a national program of highway research sponsored by the American Association of State Highway Officials, administered by the Highway Research Board of the National Academy of Sciences-National Research Council, and supported by the states and Federal Government. Illinois is among the states contributing 5 per cent of its allotments of Federal highway planning and research funds toward support of the program. This is a continuing program of highway research undertaken in the 1963 fiscal year.

(b) *The Highway Research Correlation Service* of the Highway Research Board, which receives support from most of the states including Illinois, collects, correlates, and disseminates highway research information nationwide for the purpose of better coordinating highway research, for avoiding the duplication of research effort, and for assurance that research results will be made available.

(c) Application of the *AASHO Road Test* research findings in the development of criteria and procedures for the design of new portland cement concrete and bituminous concrete pavements received prime attention of the Bureau of Research and Development. This work led to the adoption by the Division of Highways of new provisional policies on the design of pavements based on the Road Test findings, and to the issuance by the Bureaus of Design and Local Roads and Streets of design manuals with the new design criteria and procedures.

(d) *The Expressway Surveillance Project* was established in 1961 for the purpose of conducting operational studies to determine causes of congestion on high-volume expressways, to investigate ways to improve traffic flow, and to evaluate resulting benefits. Most of the study is taking place on and near Interstate 90, the Eisenhower Expressway, in the Chicago area. The ultimate objective is to reduce congestion by means of automatic traffic control measures.

A pilot detection system, including 34 traffic sensors, has been installed and placed in operation on a five-mile section of this expressway. Leased telephone lines connect these sensors to the project office where the traffic data from the field passes through analog computers and a data-logging subsystem, and is recorded on punched paper tape. The tapes are coded in a form suitable for direct data input to a digital computer for data reduction and analysis.

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Following the achievement of good results from a metering system installed to control the flow of traffic onto the expressway from a single entrance ramp, contracts were let and work started on installations which will extend the experimental system to a number of adjoining ramps. Contracts were also let and work began on the construction and installation of an extensive series of experimental informational signs on the surface street system in the vicinity of the metered ramps to warn of traffic flow conditions on the expressway.

3. DEVELOPMENT PROGRAM.—This program is directed at the development of useful applications in the highway field of new products, new materials, and new processes. The Bureau of Research and Development has the responsibility for seeking out materials for potential application, for conducting background investigations of items that appear to have usefulness, and for conducting exploratory trials that may lead to full-scale usage.

Vendors wishing to have their new products or materials brought to the attention of the Illinois Highway Development Council make their initial presentations through the Bureau of Research and Development.

Forty-three proposals for the use of new products, materials, and processes were reviewed by the Bureau of Research and Development and by the Illinois Highway Development Council during the year. This resulted in the introduction of nine new products and materials into general use, and trial usage of seventeen other products and materials.

Table 43 summarizes the recommendations of the Development Council on proposed applications of new items reviewed in 1964.

4. RESEARCH PROJECTS UNDER DIVISION PARTICIPATION IN 1964.—A summary of the important research projects in which the Division of Highways participated is presented in Table 44. More detailed information is available for many of these projects in published papers and research reports.

TABLE 43.—RECOMMENDATIONS OF ILLINOIS DEVELOPMENT COUNCIL.

Categories	Council Recommendations				Totals
	Adopted	Field Testing	Hold for Further Investigation	Rejected	
Aggregate stabilization.....		1	1	1	3
Asphalt materials and additives.....	1	3		1	5
Bridge bearing materials.....		1			1
Concrete additives and sealers.....	1	1	3		5
Culvert pipe.....	3		1		4
Frost effects prevention.....				1	1
Glare screen materials.....		1		1	2
Guardrail.....		2			2
Materials control equipment.....			1	1	2
Pavement joint material.....			2	1	3
Pavement maintenance equipment.....			1		1
Protective coatings for guardrail.....		1			1
Special aggregate.....		1			1
Traffic control materials and devices.....	1	6		1	8
Underdrains.....	3			1	4
Totals.....	9	17	9	8	43

TABLE 44.—HIGHWAY RESEARCH PROJECTS IN WHICH THE DIVISION OF HIGHWAYS PARTICIPATED IN 1964.

Project No.	Name of Project	Purpose	Year Under-taken	See "Note" Below	
				Agency Conducting Project	Co-sponsors
2	Miscellaneous Highway Problems.....	Develop information useful in solution of miscellaneous highway problems.....	1940	3	1, 2, 3
5	Riveted and Bolted Structural Joints.....	Provide information for use in the design of riveted and bolted connections on bridges.....	1947	3	1, 2, 3, 4
6	Performance Survey of Pavement of Route US 66.....	Develop information concerning the effects of design, materials, construction, traffic, and climate on the performance of pavements.....	1949	1a	1, 2
7	Pavement Blowups.....	Provide information concerning the causes of blowups, for use in developing remedies.....	1950	1a, 1g	1, 2
9	Impact on Highway Bridges.....	Provide information for design, on stresses caused by impact of present-day vehicles.....	1950	3	1, 2, 3
10	Prestressed Reinforced Concrete Highway Bridges.....	Determine behavior and develop information required for design and construction.....	1951	3	1, 2, 3
12	Soil Exploration and Mapping.....	Provide engineering soil information in the form of maps and reports to guide highway engineers in design and construction.....	1951	3	1, 2, 3
13	Lean-Mix Base Widening.....	Determine the economy of using a less-than-normal-cement-content portland cement concrete base widening on projects which include resurfacing with bituminous concrete.....	1951	1a, 1d, 1g	1, 2
14	Experimental Use of Bituminous Underseal (Route US 66, Lincoln to Sherman).....	Determine effectiveness of various types of bituminous underseal materials in controlling pumping; determine quantities required.	1951	1a, 1f, 1g	.....
15	Experimental Study of Pavement Slab Design, Joints and Joint Sealing Compounds (Route US 66, Section 110X-5 South of Springfield).....	Develop, by means of field experimentation, improved methods for portland cement concrete pavement construction and design.	1951	1a, 1d, 1g	1, 2
17	Oil-solvent Treatment.....	Determine, by means of field experimentation, the effectiveness of an oil-solvent solution in the control of salt-scaling of concrete pavements.....	1951	1a, 1g	.....
20	Lean-mix Plain Unjointed Portland Cement Concrete Base with Bituminous Concrete Surface.....	Determine performance of lean-mix portland cement concrete bases surfaced with bituminous concrete.....	1955	1a, 1d, 1g	1, 2
27	Bituminous Surfacing on Flexible Base.....	Evaluate the performance under heavy traffic of a bituminous concrete surface on a crushed-stone base.....	1952	1a	1, 2
28	AASHO Road Test.....	Develop information to assist in determining: 1. What additional highway costs can be justified to permit the use of heavier trucks than now allowed. 2. How to design pavements that will carry present and future traffic. 3. What share of highway costs should be borne by the operators of various classes of vehicles.	1955	1	1, 2

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32	Bituminous Surfacing Investigation.....	Investigate the stability of bituminous mixtures, and the effects of mixing, transporting, placing, and weathering on the asphalt cement.....	1942	1d	
33	Paints, Enamels, and Sign Materials.....	Determine field performance of paints, enamels, and sign materials.....	.....	1d	.....
36	Continuously Reinforced Portland Cement Concrete Pavement.....	Determine the behavior and economic feasibility of continuous reinforcement in portland cement concrete pavement.....	1947(1d) 1961(1a)	1a, 1d	1, 2
43	Sealing of Joints and Cracks in Portland Cement Concrete Pavement.....	Determine the need for and performance of various compounds for sealing and filling joints.....	1953	1a	.....
44	Channeling, Cracking, and Shoving of Bituminous Surfaces.....	Develop information which will lead to a reduction of channeling, cracking, and shoving in bituminous surfaces.....	1953	1	.....
46	Soil-Aggregate Mixtures for Highway Pavement.....	Determine the effect of variables influencing the durability, stability, and wear resistance of soil-aggregate mixtures.....	1953	3	1, 2, 3
47	Chemical and Physico-Chemical Stabilization of Soils.....	Develop usage of chemicals in stabilizing natural soils as bases and subbases for pavement.....	1958	3	1, 2, 3
53	Vehicular Speed Regulation.....	Determine and evaluate factors involved in vehicular speed regulation; establish warrants for speed regulation and develop application procedures; and develop methods and devices for obtaining maximum compliance.....	1955	3, 1e, 1g	1, 2, 3
54	Flood Flow from Small Drainage Areas.....	Provide information that will aid in the scientific design of small drainage structures.....	1955	5	1, 5
55	Warrants for Highway-highway Grade Separations.....	Develop a set of warrants for determining where grade separations for highways are justified, and to provide procedures for the analysis and application of the warrants.....	1962	6	1, 2, 6
58	Equipment for Establishment and Maintenance of Roadside Cover.....	Develop and evaluate ideas for more effective and economical roadside development and maintenance equipment.....	1958	3, 1f, 1g	1, 2, 3
59	Widths and Cross Sections for Medians of Divided Highways.....	Determine minimum desirable widths and cross sections for medians of divided highways in relation to safety, service, and economy.....	1958	3	1, 2, 3
61	Left-Hand On-and-Off Ramps for Expressways and Freeways.....	Determine functional acceptability of left-hand exits and entrances to expressways and freeways, including geometrics and signing for maximum efficiency.....	1959	6	1, 2, 6
63	85 Percentile Speed Study.....	Validate and develop speed criteria for geometric design, and sign selection and placement for grade-separated interchanges and at-grade intersections.....	1959	1a	1, 2
64	Welded Highway Structures.....	Improve designs for welded highway structures and improve inspection and quality control.....	1959	3	1, 2, 3
65	Highway Drainage Laws and Practices.....	Assemble and analyze existing drainage laws and practices as a background for a general policy statement and manual of highway drainage practice.....	1959	3, 1	1, 2, 3
66	Study of Woody and Herbaceous Plants for Roadside Cover.....	Select nursery grown plants best suited for attractive ground cover and erosion control of raw soil on steep slopes.....	1959	3, 1	1, 2, 3
67	Grasses and Their Establishment as Turf.....	Develop grass mixtures and methods of culture which will establish cover on raw growth-resistant soils within two growing seasons to minimize soil erosion.....	1959	3, 1	1, 2, 3

TABLE 44.—Concluded.

Project No.	Name of Project	Purpose	Year Under-taken	See "Note" Below	
				Agency Conducting Project	Co-sponsors
68	Guidelines for Rural Appraisals.....	Provide guidance in estimating (1) damage to remaining real property following severance or reduction in size, (2) value based on potential use, (3) value of partial takings not involving (1) and (2).....	1959	3, 1	1, 2, 3
69	Traffic-Linkage Patterns.....	Evaluate and develop hypotheses concerning the traffic linkage relationships that exist between communities as exemplified by the Champaign-Urbana region.....	1959	3	1, 2, 3
70	Social Factors and Traffic.....	Develop a method for making an estimate of the trip generation potential of a population on the basis of its social characteristics...	1959	3	1, 2, 3
71	Traffic and Urban Land Values.....	Learn the influence on urban porperty values of changes in character and volume of traffic on a major street and highway network.....	1959	3	1, 2, 3
72	Prediction of Creep in Structural Concrete from Short-time Tests.....	Determine the usefulness of short-time sonic tests in predicting creep in structural concrete.....	1959	3	1, 2, 3
73	Mechanism of Fatigue Failure in Concrete.....	Determine some of the factors which influence the initiation and propagation of fatigue damage in concrete.....	1959	3	1, 2, 3
74	Road Smoothness.....	Improve riding quality of pavements through a systematized study of new and old pavements by means of a standardized device for measuring smoothness.....	1957	1a	1, 2
75	Seal Coats and Surface Treatments.....	Obtain basic information for evaluating bituminous material as related to seal coat and surface treatment aggregate.....	1960	3	1, 2, 3
76	Lime Stabilization.....	Determine if lime stabilization of soils is effective and economical in pavement construction in Illinois.....	1960	3	1, 2, 3
77	Imperfect Trench Method of Culvert Construction.....	Check theory and provide quantitative values for design of this type of installation.....	1961	1a, 1g	1, 2, 7
78	County Road Identification and Rural House Numbering.....	Develop orderly and systematic methods of local and rural road identification and rural house identification.....	1962	1a	1, 2
79	Urethane Insulation of Bridge Decks.....	Determine practicability of applying urethane foam insulation to bridge decks to control icing and inhibit freeze-thaw deterioration.....	1961	1a, 1g	1, 2
80	Linseed-Oil Retreatments.....	Determine by means of field experimentation, the value, the optimum spacing of cycles, and the optimum rate of application of linseed-oil retreatment of concrete bridges to extend the effectiveness of a treatment program to control damage from the use of de-icing salts.....	1963	1a, 1f, 1g	1, 2
82	Slip-Form Pavement Construction.....	Evaluate the economy of the slip-form process, evaluate and determine possible improvements in the equipment and the process, and evaluate subsequent behavior of pavements constructed by the process.....	1963	1a, 1d, 1g	1, 2

84	Correlation of the University of Illinois Pavement Test Track with the AASHO Road Test.....	Develop correlations between results obtained from the University of Illinois Pavement Test Track and some of the findings of the AASHO Road Test for the purpose of providing an economic tool for the study of highway pavement performance.....	1964	3	1, 2, 3
87	Tolerable Levels of Headlight Glare as Related to Median Performance.....	Establish the tolerable level of headlight glare as a foundation upon which to base future research in the area of headlight glare as affected by median design features.....	1964	3	1, 2, 3
88	Expressway Surveillance.....	Determine, by means of operational studies, causes of congestion on high-volume expressways, investigate and determine ways to improve traffic flow by means of automatic traffic control measures, and evaluate resulting benefits.....	1961	1a, 1g	1, 2, 8, 9

Note: Agencies taking part in physical research activities:

1. Division of Highways

a. Bureau of Research and Development

b. Bureau of Construction

c. Bureau of Design

d. Bureau of Materials

e. Bureau of Traffic

f. Bureau of Maintenance

g. Highway Districts
2. Bureau of Public Roads, United States Department of Commerce

3. University of Illinois

4. Research Council on Riveted and Bolted Joints

5. United States Geological Survey

6. Northwestern University

7. Illinois Concrete Pipe Association

8. Cook County

9. City of Chicago

X. TRAFFIC

1. GENERAL.—Providing for traffic operation on State highways and administering the provisions of the Safety Responsibility Law are duties of the Bureau of Traffic. The work is accomplished by three sections established in the Bureau: (1) Traffic Operations, (2) Accident Research and Statistics, and (3) Safety Responsibility.

Details of the work performed under each of these sections are given in the following paragraphs and tables.

2. TRAFFIC OPERATIONS.—It is the responsibility of the Traffic Operations Section to purchase the equipment and supplies for the sign and zone marking program; check traffic signal plans and inspect all traffic signals installed with State or motor fuel tax funds; prepare specifications, check plans, and inspect the installation of all Interstate signing projects; issue permits for vehicles and loads exceeding the legal maximum in size and weight; and conduct engineering traffic studies and investigations.

Traffic investigations, preparation of sign and signal plans, and maintenance of signs and pavement markings are operations at the district level.

(a) *Highway Signs*.—There were 330,000 signs on State highways exclusive of the Interstate System at the end of 1964. Of these, 5,000 were newly erected signs, and 80,000 were rehabilitated and replaced during the year.

The State Penitentiary at Pontiac rehabilitated 130 signs. The penitentiary also sold to the Division 124,230 new signs of which 115,970 were aluminum, 7,200 were steel, and 1,060 were plywood. Reflectorization material was applied to 120,600 of these.

The district sign shops were supplied with 244,700 square feet of reflective material for reconditioning signs. Approximately 90,000 signs were rehabilitated in the district sign shops at an average cost of \$2.25 per sign, exclusive of reflectorizing material.

Contracts were let for signing interstate and conventional highways using Federal participation in the cost at the following locations:

- Interstate 70 east of Vandalia
- Interstate 270 north of Granite City
- Interstate 57 south of Benton
- US 20 around the south edge of Rockford
- Illinois Route 4A at 79th Street near Chicago

(b) *Pavement Marking*.—The method of applying the standard centerline and lane line markings consisting of 15 feet of white followed by 25 feet of black paint in one operation was continued during 1964. The yellow no-passing zone lines were also applied simultaneously with the centerlines.

Beads were applied to the white and yellow lines. The average cost of application of zone marking was \$10.20 per mile.

In addition to painted pavement marking, approximately 276,200 lineal feet of thermoplastic lines were applied, consisting of approxi-

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mately 6,600 feet of twelve-inch white solid lines, 26,500 feet of eight-inch white solid lines, 43,100 feet of five-inch white dash lane lines, 150,000 feet of four-inch white center and edge lines, and 50,000 feet of four-inch yellow barrier lines. Total contract bid price was \$97,-368.40.

The following tabulation shows quantities, mileages, and costs of the zone marking program for 1964:

Types of Material	Miles of Traffic Line	Gallons of Material	Pounds of Beads	Total Cost	Cost per Mile ¹
Tar.....	5,921	48,385	.....	² \$19,160.46	\$13.44
Asphalt.....	9,315	86,890	.....	² 37,362.70	14.21
White (Dash).....	15,507	128,884	589,861	420,981.87	27.15
White (Solid).....	685	14,499	65,505	36,634.91	53.48
White (Edge).....	28,010	422,629	1,722,265	1,114,777.89	39.80
NPZ Yellow.....	2,845	56,545	257,875	² 134,719.18	57.55
Double Yellow.....	600	24,623	109,676	66,654.83	111.09
Totals.....	62,883	782,455	2,745,182	\$1,830,291.84	.....

¹ Cost per mile is based on application and material costs as if each line were run separately. Application costs were \$10.20 per mile.
² Contains only material costs since these lines were marked simultaneously with, and were accessory to, the white dash line.

(c) *Traffic Signals.*—At the close of 1964, there was a total of 3,140 traffic control signals, 280 flashing beacons, and 500 flashing school crossing signals in place on all State highways. The traffic control signals consisted of 1,908 fixed-time and 1,232 actuated signals, most of which were installed by municipal authorities with motor fuel tax funds.

The following new installations were made with State funds during 1964:

TRAFFIC CONTROL SIGNALS

- Alternate US 30 and Winfield Road south of Winfield
- Illinois 55 and Batavia Road north of Naperville
- Illinois 83 and Plainfield Road west of Willowbrook
- US 20 and York Road in Elmhurst
- Illinois 137 and Illinois 131 south of North Chicago
- Illinois 137 and Georgia Street south of North Chicago
- Illinois 137 and Ramp A south of North Chicago
- Illinois 131 and Ramp A south of North Chicago
- Illinois 137 and Lewis Avenue south of North Chicago
- Illinois 137 and Veterans' Hospital Entrance south of North Chicago
- Illinois 56 and York Road south of Elmhurst
- York Road and Winthrop Street north of Elmhurst
- US 12 and Illinois 134 south of Fox Lake
- US 51 and Sandy Hollow Road south of Rockford
- US 6 and extension of Interstate 74 south of Moline
- Illinois 17 and Station Street in Kankakee
- US 66 and Morris Avenue south of Bloomington

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Illinois 10 and Lincoln Avenue in Urbana
Illinois 10 and Cole Avenue in Urbana
Illinois 10 and Goodwin Avenue in Urbana
US 150 and Bloomington Road northwest of Champaign
Business US 66 and Linton Avenue south of Springfield
Business US 66 and Apple Orchard Road south of Springfield
US 460 and 18th Street in East St. Louis
US 460 and 15th Street in East St. Louis
US 45 and Illinois 13 east of Harrisburg
US 45 and Illinois 142 south of Eldorado
Illinois 50 and Berwyn Avenue in Chicago

FLASHING BEACONS

Illinois 64 and Illinois 47 west of St. Charles
US 6 and Interstate 74 south of Rock Island
Illinois 1 and Illinois 33 east of Robinson
US 50 and Illinois 130 south of Olney
Business US 40 and Illinois 111 south of Roxana
US 30 and Illinois 88 south of Rock Falls
US 20 and Illinois 73 south of Lena

Contracts were also awarded for alteration and rehabilitation of many previously installed signals because of the increased capacity requirements.

The cost for maintenance of traffic signals, lighting systems, and pumping station systems in District 1 and 10 amounted to \$1,672,203.80 for 1964. This amount represents a yearly increase of \$849,184.84 over the contract for the previous biennium.

(d) *Permits*.—During 1964, 56,429 permits were issued for the transportation over State highways of vehicles and loads whose dimensions or weights exceeded the legal maximum. This compares with a total of 50,761 permits issued during 1963. The Chicago office issued 6,001 permits; Effingham, 2,800; and Springfield, 47,628.

(e) *Engineering Traffic Studies and Investigations*.—A total of 114,760 man-days were used on traffic studies and investigations in 1964. Most of these studies were made at high-accident locations, intersections, and speed zone areas.

(f) *Expenditures and Costs*.—Expenditures and costs are summarized in several tables of this section. Table 48 shows total expenditures and costs for traffic operations for 1964. Tables 45 and 46 compare the 1963 and 1964 costs for traffic operations according to the type of work, exclusive of cost of expressways; Table 47 shows traffic operation costs of expressways; and Table 49 shows construction funds expended by authorization for traffic control during 1964.

TABLE 45.—COMPARISON OF TRAFFIC OPERATION COSTS FOR INTERSTATE HIGHWAYS FOR 1963 AND 1964.

Account	1963 Costs ¹ for 462.11 miles			1964 Costs ¹ for 554.90 miles			Change	
	Total	Per Cent of Total	Per Mile	Total ²	Per Cent of Total	Per Mile	Total	Per Mile
Signs.....	\$106,549.89	69.75	\$230.57	\$161,180.73	50.51	\$290.47	\$+ 54,630.84	\$+ 59.90
Pavement marking.....	29,668.64	19.42	64.20	122,588.50	38.42	220.92	+ 92,919.86	+156.72
Highway lighting.....	8,025.68	5.26	17.37	23,760.96	7.45	42.82	+ 15,735.28	+ 25.45
Traffic signals.....	8,504.75	5.57	18.40	11,559.42	3.62	20.83	+ 3,054.67	+ 2.43
Total costs.....	\$152,748.96	100.00	\$330.54	\$319,089.61	100.00	\$575.04	\$+166,340.65	\$+244.50

¹ Costs include administration expense of district offices and a pro rata share of the central office expenses.

² The costs for Traffic Operation on interstate highways as shown in Table 32. Maintenance did not contain contract costs for thermoplastic lining. A reconciliation of cost in the maintenance table with that shown above for 1964 follows:

Interstate costs for Traffic Operation shown in Maintenance Section.....	\$ 253,477.84
Part of contract for thermoplastic lining on interstate highway.....	65,611.77
Interstate Traffic Control costs for 1964 shown above.....	\$ 319,089.61

TABLE 46.—COMPARISON OF TRAFFIC OPERATION COSTS FOR REGULAR HIGHWAYS FOR 1963 AND 1964.¹

Account	1963 Costs ² for 14,295.09 miles			1964 Costs ² for 14,314.49 miles			Change	
	Total	Per Cent of Total	Per Mile	Total ³	Per Cent of Total	Per Mile	Total	Per Mile
Signs.....	\$2,413,441.32	50.67	\$168.83	\$2,895,991.65	48.7	\$202.31	\$+ 482,550.33	\$+33.48
Pavement marking.....	1,631,291.33	34.25	114.12	1,969,507.29	33.2	137.59	+ 338,215.96	+23.47
Highway lighting.....	65,344.99	1.37	4.57	94,944.10	1.6	6.63	+ 29,599.11	+ 2.06
Traffic signals.....	652,642.94	13.71	45.66	979,022.62	16.5	68.39	+ 326,379.68	+22.73
Total costs.....	\$4,762,720.58	100.00	\$333.18	\$5,939,465.66	100.0	\$414.92	\$+1,176,745.08	\$+81.74

¹ Miles and costs are exclusive of interstate highways and expressways.

² Costs include administrative expense of district offices and a pro rata share of the central office expenses.

³ The costs of Traffic Operation for regular highways as shown in Table 33. Maintenance contains costs for contract work which should have been assigned to interstate highways and expressways. A reconciliation of cost in the maintenance table with that shown above for 1964 follows:

Regular Traffic Operation costs shown in Maintenance Section	\$ 6,062,003.11
Less cost should have been assigned to Other State Highways.....	122,537.45

Traffic Control costs for regular highways shown above.....\$ 5,939,465.66

TABLE 47.—COMPARISON OF TRAFFIC OPERATION COSTS OF EXPRESSWAYS FOR 1963 AND 1964.

Account	1963 Costs for 90.75 miles			1964 Costs for 90.10 miles			Change	
	Total	Per Cent of Total	Cost Per Mile ¹	Total ²	Per Cent of Total	Cost Per Mile ¹	Total	Per Mile
Signs.....	\$144,925.53	13.39	\$1,596.98	\$214,610.44	12.69	\$2,381.91	\$+69,684.91	\$+784.93
Pavement marking.....	13,043.54	1.21	143.73	41,099.60	2.43	456.16	+28,056.06	+312.43
Highway lighting.....	438,143.33	40.48	4,828.03	680,512.80	40.23	7,552.86	+242,369.47	+2,724.83
Traffic signals.....	20,027.77	1.85	220.69	30,484.47	1.80	338.34	+10,456.70	+117.65
Emergency patrol.....	466,145.67	43.07	5,136.59	717,019.50	42.38	7,958.04	+250,873.83	+2,821.45
Sign trusses and structural steel posts.....	.....	.....	.....	7,980.35	0.47	88.57	+7,980.35	+88.57
Total.....	\$1,082,285.84	100.00	\$11,926.02	\$1,691,707.16	100.00	\$18,775.88	\$+609,421.32	\$+6,849.86

¹ Cost per mile is figured on weighted average miles maintained during year.

² Costs for Traffic Operation on Expressways as shown in Table 31, Maintenance did not contain contract costs for thermoplastic lining. A reconciliation of costs in the maintenance table with that shown above for 1964 follows:

Expressway costs for Traffic Operation shown in Maintenance Section.....	\$ 1,634,781.48
Part of contract for the thermoplastic lining one expressways.....	56,925.68
Expressway Traffic Control costs for 1964 shown above.....	\$ 1,691,707.16

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TABLE 48.—EXPENDITURES AND COSTS DURING 1964 FOR TRAFFIC OPERATIONS.

Accounts	Expenditures	Costs
Direct charges:		
Upkeep of signs, signals, markings, and lighting.....	\$5, 971, 611.17	¹ \$5, 979, 014.16
Administration and engineering:		
District Offices.....	1, 665, 404.20	1, 665, 404.20
Bureau Offices.....	326, 113.54	326, 113.54
Subtotal.....	\$7, 963, 128.91	\$7, 970, 531.90
Equipment.....	\$ 307, 810.98	² \$ 142, 774.07
Interdepartmental charges.....		
Less credits.....		163, 043.54
Total.....	\$8, 270, 939.89	\$7, 950, 262.43

¹ Costs are obtained as follow:
Actual expenditures\$ 5, 971, 611.17
Less December 1963 payroll paid in January 1964..... 60, 662.25
\$ 5, 910, 948.92
Add December 1964 payroll paid in January 1965..... 68, 065.24
Costs shown above\$ 5, 979, 014.16
² Equipment depreciation is figured on a straight-line basis.

TABLE 49.—TRAFFIC CONTROL CONSTRUCTION BY AUTHORIZATION DURING 1964.

District	Amount
1.....	\$ 264, 362.08
2.....	239, 310.71
3.....	203, 401.22
4.....	133, 203.90
5.....	154, 643.31
6.....	163, 934.14
7.....	88, 651.57
8.....	270, 097.31
9.....	297, 095.80
10.....	295, 705.97
Total.....	\$2, 110, 406.01

3. ACCIDENT STATISTICS.—The purpose of the Accident Statistics Section is to take information from accident reports, convert it into communications and statistics, and disseminate the information to all interested individuals and agencies. Accident information was taken from drivers' reports and distributed as in former years with 3,248 cases called to the attention of district engineers for correcting alleged deficient highways or for apprehending those who damaged highway structures. Accident records were furnished the districts for studying 150 specific locations.

Over 650 State-wide urban-rural traffic accident statistical summaries were distributed each month. A national standard form for statistical summaries was utilized to issue monthly, semiannual, and annual summaries of all accident details, on a State-wide basis. Semi-annual lists of accident statistics arranged by county and city were prepared. Information was collected and made available to engineer-

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ing personnel and the research analyst for special studies on the following subjects:

- Bicycle Accidents
- School Bus Accidents
- School Child Accidents
- Small Car Accidents
- Winter Accidents
- Pedestrian Accidents
- Drinking Driver Accidents
- Nighttime Accidents
- Railroad Grade Crossing Accidents
- Interstate System Accident Research
- Accident Rates at Rural Primary Highway Intersections
- Accident Rates before and after Channelization
- Accident Experience Under Varied Degrees of Access Control
- Accident Rates before and after Rumble Strips
- Accidents Due to Wrong-Way Movements on Expressways
- Accidents for Operation "66"
- Urban Accidents as Criteria for Medians
- Accident Rates before and after Highway Lighting
- Accident Rates before and after Speed Zones
- Intersection Accidents on Partially Access Controlled Rural Highways
- Routes with Wide Medians
- Single Vehicle Accidents
- Average Accident Rates for Various Types of Highways

To keep pace with an aggressive State-wide program of traffic safety activities, services were furnished to several governmental agencies. A great number and variety of statistical requests were answered for the Division of Traffic Safety. Monthly statistical summaries were compiled for enforcement purposes for the State Highway Police. Notice of physical defects of drivers involved in accidents was supplied to the Secretary of State. Notice of each driver involvement in an accident was similarly supplied.

One-hundred thousand copies of a leaflet entitled "Accident Facts," which displayed annual and other pertinent accident statistics in popular style, were printed and distributed.

The number of traffic accidents occurring in cities and rural areas (rural areas include incorporated places of less than 2,500 population) is shown in the following tabulation:

NUMBER OF ACCIDENTS

Location	1963	1964	Per Cent Increase
City of Chicago.....	132, 272	136, 939	3.5
Cities of 2,500 to 500,000.....	79, 007	92, 715	17.4
Rural areas.....	47, 397	51, 510	8.7
Total.....	258, 676	281, 164	8.7

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A comparison of the injuries, deaths and death rate for motor vehicle traffic accidents for 1963 and 1964 follows:

Item	1963	1964	Per Cent Increase
Fatalities.....	2,028	2,207	8.8
Persons injured.....	119,894	134,163	11.9
Vehicle travel ¹	40,090	42,519	6.1
Death rate ²	5.1	5.2	2.0

¹ Millions of vehicle miles.
² Deaths per hundred million miles of travel.

Various aspects concerning motor vehicle traffic accidents in Illinois are summarized in the next few pages. Figure 10 shows the geographical distribution of fatalities in Illinois, Table 50 lists the contributing factors concerning rural accidents, Table 51 gives the type of accident, and Table 52 summarizes accident statistics in cities.

TABLE 50—CIRCUMSTANCES CONTRIBUTING TO MOTOR VEHICLE ACCIDENTS IN 1964.

Circumstance Contributing to Accidents	Total Accidents		Fatal Accidents	
	Number	Per Cent	Number	Per Cent
Speed too fast.....	7,591	23.3	255	29.9
Followed too closely.....	5,119	15.7	20	2.4
Failed to yield right-of-way.....	3,618	11.1	100	11.7
Drove left of center.....	2,994	9.2	185	21.7
Passed stop sign.....	2,874	8.8	84	9.9
Improper overtaking.....	2,723	8.4	59	6.9
Other improper driving.....	2,593	8.0	34	4.0
Disregarded traffic signal.....	1,548	4.8	15	1.8
Had been drinking.....	1,538	4.7	92	10.8
Made improper turn.....	1,014	3.1	2	.2
Inadequate brakes.....	791	2.4	1	.1
Improper lights.....	156	.5	5	.6
Total.....	32,559	100.0	852	100.0

Includes only accidents occurring on Interstate, US, or Illinois numbered routes traversing rural areas and cities having less than 2,500 population.

TABLE 51.—REPORTED MOTOR VEHICLE ACCIDENTS IN 1964 BY TYPE OF COLLISON WITH RESULTING INJURIES AND DEATHS.

Type of Accident	Accidents		Persons Killed		Persons Injured	
	Number	Per Cent	Number	Per Cent	Number	Per Cent
Collision with:						
Pedestrian.....	9,813	3.5	349	15.8	10,194	7.6
Motor vehicle in traffic.....	198,560	70.6	1,049	47.5	98,525	73.4
Parked motor vehicle.....	40,851	14.5	34	1.6	4,732	3.5
Railroad train.....	497	.2	105	4.8	332	.2
Bicyclist.....	2,102	.7	25	1.1	2,285	1.7
Animal.....	927	.3	2	.1	232	.2
Fixed object.....	10,607	3.8	287	13.0	5,570	4.2
Other object.....	1,934	.7	3	.1	990	.7
Overturned in roadway.....	1,018	.4	26	1.2	873	.7
Ran off roadway.....	13,678	4.9	309	14.0	9,505	7.1
Other noncollision.....	1,177	.4	18	.8	925	.7
Total.....	281,164	100.0	2,207	100.0	134,163	100.0

TRAFFIC

STATE OF ILLINOIS

OTTO KERNER, Governor

DEPARTMENT OF PUBLIC WORKS
AND BUILDINGS ★ Division of
Highways

ILLINOIS MOTOR
VEHICLE DEATHS
YEAR 1964

LEGEND

- Indicates Decrease
- Indicates No Change
- Indicates Increase

Figures in each county
represent the number of
persons killed during the
year 1964

Total killed 2,207

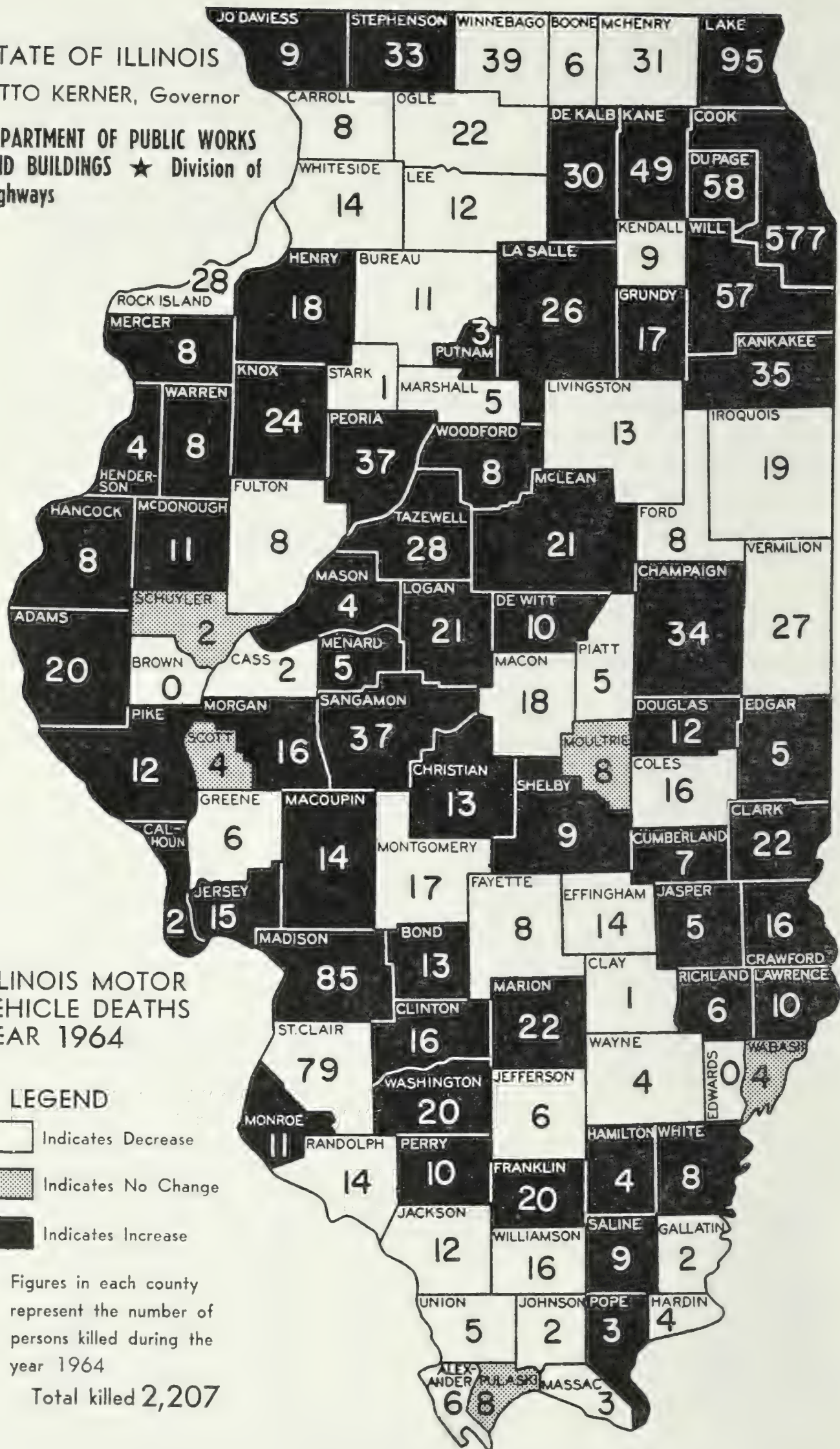


Figure 10.—Deaths in each county resulting from motor vehicle accidents in 1964.

TRAFFIC

4. SAFETY RESPONSIBILITY.—The purpose of the Safety Responsibility Section is to conduct all surveillance and procedure on the accident reports having to do with insurance requirements. The Uniform Act Regulating Traffic on Highways requires drivers and owners of vehicles involved in accidents which result in property damage in excess of \$100 to any one person or in death or personal injury to file accident reports with the Department of Public Works and Buildings. The Safety Responsibility Section of the Bureau of Traffic receives these reports, determines the financial responsibility status of the owners and operators, and certifies to the Secretary of State the names of those who fail to provide proof of financial responsibility.

In 1964, 281,164 motor vehicle accidents occurred of which 244,257 were reported by drivers. Of those reported, 24,430 were of less than minimum property damage and no action was taken but the remaining cases were processed for compliance with the Safety Responsibility Law. From these accident cases, the names of 53,050 persons were certified to the Secretary of State to deposit security. Of these persons, 19,482 belatedly complied with the law, and actions in their cases were rescinded.

TABLE 52.—REPORTED TRAFFIC ACCIDENTS IN 1964 IN CITIES OF 5,000 OR MORE POPULATION.

City	Population in 1960	Total Accidents	Fatal Accidents	Persons Killed	Nonfatal Accidents	Persons Injured	Property Damage Accidents
Addison.....	6,741	317	1	1	130	229	186
Alton.....	43,047	951	1	1	330	491	620
Arlington Heights..	27,878	503	3	3	185	286	315
Aurora.....	63,715	1,843	6	6	609	992	1,228
Barrington.....	5,434	159	1	1	44	61	114
Bartonville.....	7,253	113	1	1	37	50	75
Batavia.....	7,496	124	2	2	33	49	89
Beardstown.....	6,294	68	.....	.....	16	20	52
Belleville.....	37,264	1,010	3	3	340	515	667
Bellwood.....	20,729	397	1	1	140	207	256
Belvidere.....	11,223	157	.....	.....	45	80	112
Bensenville.....	9,141	320	.....	.....	128	194	192
Benton.....	7,023	114	1	1	35	51	78
Berkeley.....	5,792	65	.....	.....	28	50	37
Berwyn.....	54,224	1,119	2	2	395	610	722
Bloomington.....	36,271	1,052	2	2	383	531	667
Blue Island.....	19,618	536	4	5	174	266	358
Bradley.....	8,082	147	1	1	55	93	91
Bridge View.....	7,334	192	.....	.....	88	161	104
Broadview.....	8,588	197	1	1	69	122	127
Brookfield.....	20,429	285	.....	.....	95	132	190
Cahokia.....	15,829	170	.....	.....	69	121	101
Cairo.....	9,348	175	1	1	45	76	129
Calumet City.....	25,000	762	3	3	278	448	481
Calumet Park.....	8,448	130	4	4	56	87	70
Canton.....	13,588	224	.....	.....	59	92	165
Carbondale.....	14,670	361	.....	.....	116	152	245
Carlinville.....	5,440	65	.....	.....	20	30	45
Carmi.....	6,152	102	1	1	28	44	73
Carpentersville.....	17,424	123	.....	.....	62	99	61
Centralia.....	13,904	341	3	3	115	176	223
Centreville.....	12,769	79	1	1	36	56	42
Champaign.....	49,583	1,546	2	2	428	631	1,116
Charleston.....	10,505	172	1	1	48	82	123
Chicago.....	3,550,404	136,939	263	278	29,455	43,948	107,221
Chicago Heights...	34,331	851	4	5	304	512	543
Chicago Ridge.....	5,748	132	1	1	55	101	76
Cicero.....	69,130	1,484	10	12	493	717	981
Clarendon Hills....	5,885	75	.....	.....	34	64	41

TRAFFIC

TABLE 52.—Continued.

City	Population in 1960	Total Accidents	Fatal Accidents	Persons Killed	Nonfatal Accidents	Persons Injured	Property Damage Accidents
Clinton.....	7,355	115			25	38	90
Collinsville.....	14,217	252	1	1	77	112	174
Crest Hill.....	5,887	74	1	1	30	51	43
Creve Coeur.....	6,684	85	2	3	28	53	55
Crystal Lake.....	8,314	152			52	80	100
Danville.....	41,856	1,418	6	6	414	613	998
Decatur.....	78,004	2,152	4	4	768	1,152	1,380
Deerfield.....	11,786	206	1	1	59	84	146
DeKalb.....	18,486	390			100	144	290
Des Plaines.....	34,886	1,203	8	8	423	696	772
Dixon.....	19,565	302			75	105	227
Dolton.....	18,746	311			110	168	201
Downers Grove....	21,154	438	2	2	163	262	273
DuQuoin.....	6,558	75			23	31	52
East Alton.....	7,630	255	4	4	104	158	147
East Moline.....	16,732	546			174	262	372
East Peoria.....	12,310	552	2	2	196	283	354
East St. Louis.....	81,712	1,848	27	31	704	1,149	1,117
Edwardsville.....	9,996	173	1	1	49	75	123
Effingham.....	8,172	152			47	70	105
Elgin.....	49,447	1,197	3	4	336	516	858
Elk Grove Village..	6,608	148	2	2	59	81	87
Elmhurst.....	36,991	1,029	3	3	375	606	651
Elmwood Park.....	23,866	444	2	3	153	251	289
Everston.....	79,283	1,726	7	7	567	794	1,152
Evergreen Park....	24,178	397	4	4	141	227	252
Fairfield.....	6,362	111			26	38	85
Flora.....	5,331	72			22	27	50
Forest Park.....	14,452	362	1	1	126	183	235
Franklin Park.....	18,322	671	4	4	237	392	430
Freeport.....	26,628	457			145	202	312
Galesburg.....	37,243	767	4	4	230	320	533
Geneseo.....	5,169	61			13	17	48
Geneva.....	7,646	245			78	119	167
Glen Ellyn.....	15,972	354	2	2	123	198	229
Glencoe.....	10,472	143	1	1	46	75	96
Glenview.....	18,132	387			120	188	267
Granite City.....	40,073	757	3	3	285	444	469
Harrisburg.....	9,171	150	1	1	34	52	115
Harvey.....	29,071	1,003	2	2	368	614	633
Harwood Heights..	5,688	150	1	1	48	71	101
Hazel Crest.....	6,205	76			29	53	47
Herrin.....	9,474	191	1	1	68	124	122
Highland Park.....	25,532	591	1	1	200	341	390
Hillside.....	7,794	239			90	141	149
Hinsdale.....	12,859	269			92	147	177
Hoffman Estates...	7,554	71			20	29	51
Hometown.....	7,479	79			29	40	50
Homewood.....	13,371	346			119	170	227
Hoopeston.....	6,606	96	2	2	22	35	72
Jacksonville.....	21,690	433	2	2	139	222	292
Jerseyville.....	7,420	170			51	76	119
Joliet.....	66,780	2,004	6	6	717	1,116	1,281
Kankakee.....	27,666	854	3	3	263	406	588
Kewanee.....	16,324	222	1	1	58	85	163
LaGrange.....	15,285	465			158	236	307
LaGrange Park....	13,793	161			53	88	108
Lake Forest.....	10,687	306	4	4	97	148	205
Lansing.....	18,098	322			98	139	224
LaSalle.....	11,897	172	1	1	66	96	105
Lawrenceville.....	5,492	88			20	30	68
Libertyville.....	8,560	153			47	71	106
Lincoln.....	16,890	269	1	1	89	129	179
Lincolnwood.....	11,744	498	3	3	198	302	297
Litchfield.....	7,330	91	1	1	19	26	71
Lockport.....	7,560	216			80	139	136
Lombard.....	22,561	346			119	202	227
Loves Park.....	9,086	276	2	2	91	144	183
Lyons.....	9,936	320	3	4	102	164	215
Macomb.....	12,135	247	1	1	73	107	173
Madison.....	6,861	142	2	2	43	58	97
Marion.....	11,274	183			57	91	126
Markham.....	11,704	139	1	1	62	110	76
Mattoon.....	19,088	338	2	2	104	142	232
Maywood.....	27,330	621	3	3	225	347	393
Melrose Park.....	22,291	817	3	3	298	468	516
Mendota.....	6,154	83			29	38	54
Metropolis.....	7,339	65	1	1	24	40	40
Midlothian.....	6,605	132	1	1	49	78	82
Moline.....	42,705	1,699	5	5	481	674	1,213
Monmouth.....	10,372	208			60	87	148

TRAFFIC

TABLE 52.—Concluded

City	Population in 1960	Total Accidents	Fatal Accidents	Persons Killed	Nonfatal Accidents	Persons Injured	Property Damage Accidents
Morris.....	7,935	136			43	78	93
Morton.....	5,325	115	1	1	28	43	86
Morton Grove.....	20,533	698	1	1	300	504	397
Mount Carmel.....	8,594	147	1	1	42	54	104
Mount Prospect....	18,906	566	2	2	207	340	357
Mount Vernon.....	15,566	402	1	1	116	198	285
Mundelein.....	10,526	126	2	2	45	77	79
Murphysboro.....	8,673	165	3	3	58	89	104
Naperville.....	12,933	195	1	1	63	100	131
Niles.....	20,393	862	1	1	329	524	532
Normal.....	13,357	210			71	117	139
Norridge.....	14,087	178			76	124	102
North Chicago.....	20,517	419	3	3	128	206	288
North Riverside....	7,989	175			61	103	114
Northbrook.....	11,635	203	1	1	68	106	134
Northlake.....	12,318	276	1	1	110	184	165
Oak Lawn.....	27,471	776	3	3	312	509	461
Oak Park.....	61,093	1,368	3	3	487	733	878
Olney.....	8,780	167	1	1	57	90	109
Ottawa.....	19,408	421	2	2	120	176	299
Palatine.....	11,504	270	2	5	103	167	165
Pana.....	6,432	97			28	38	69
Paris.....	9,823	220			61	106	159
Park Forest.....	29,993	248	2	2	88	134	158
Park Ridge.....	32,659	647	3	3	217	339	427
Pekin.....	28,146	565	3	3	194	294	368
Peoria.....	103,162	3,311	11	13	1,047	1,560	2,253
Peoria Heights.....	7,064	71	1	1	23	39	47
Peru.....	10,460	122			44	74	78
Pontiac.....	8,435	129			35	49	94
Princeton.....	6,250	102	2	2	28	38	72
Quincy.....	43,793	924	7	8	316	467	601
Rantoul.....	22,116	214	2	2	71	115	141
River Forest.....	12,695	368			140	217	228
River Grove.....	8,464	362	7	8	133	230	222
Riverdale.....	12,008	259	3	3	95	165	161
Riverside.....	9,750	207	1	1	65	102	141
Robbins.....	7,511	68			20	30	48
Robinson.....	7,226	108	1	1	35	54	72
Rochelle.....	7,008	125			24	34	101
Rock Falls.....	10,261	174	1	1	58	86	115
Rock Island.....	51,863	1,694	9	9	473	676	1,212
Rockford.....	126,706	3,797	10	12	1,212	1,783	2,575
Rolling Meadows...	10,879	70	2	2	23	34	45
Round Lake Beach..	5,011	43	1	1	13	31	29
Salem.....	6,165	101			30	46	71
Schiller Park.....	5,687	381	2	2	153	247	226
Skokie.....	59,364	2,119	5	5	847	1,358	1,267
South Holland.....	10,412	190	2	2	72	104	116
Spring Valley.....	5,371	85	1	1	18	31	66
Springfield.....	83,271	2,651	7	7	819	1,241	1,825
St. Charles.....	9,269	254	1	1	76	107	177
Steger.....	6,432	73	1	1	19	29	53
Sterling.....	15,688	414	1	1	125	206	288
Stickney.....	6,239	141			55	103	86
Streator.....	16,868	280	2	3	98	149	180
Summit.....	10,374	315	1	1	111	179	203
Sycamore.....	6,961	122			30	35	92
Taylorville.....	8,801	180			48	69	132
Tinley Park.....	6,392	66			20	26	46
Urbana.....	27,294	669	3	3	173	244	493
Vandalia.....	5,537	110	2	2	36	68	72
Venice.....	5,380	99	2	2	37	80	60
Villa Park.....	20,391	413	3	3	168	267	242
Washington.....	5,919	72			27	34	45
Washington Park...	6,601	34	2	2	17	27	15
Watseka.....	5,219	81	1	1	27	39	53
Waukegan.....	55,719	1,123	7	8	389	629	727
West Chicago.....	6,854	99			33	56	66
West Frankfort....	9,027	175			52	78	123
Westchester.....	18,092	206	2	2	87	145	117
Western Springs....	10,838	145			32	43	113
Westmont.....	5,997	101	1	1	37	56	63
Wheaton.....	24,312	363	1	1	123	201	239
Wheeling.....	7,169	157	1	1	72	114	84
Wilmette.....	28,268	616	1	1	207	341	408
Winnetka.....	13,368	312			92	137	220
Wood River.....	11,694	279	2	3	109	170	168
Woodstock.....	8,897	147			56	77	91
Worth.....	8,196	106	2	2	37	61	67
Zion.....	11,941	190	1	2	84	137	105

XI. MACHINERY

1. GENERAL.—The Bureau of Machinery is one of the bureaus within the Division of Highways and consequently it is under the administration of the Chief Highway Engineer. The executive officer of the Bureau of Machinery is the Superintendent of Transportation who provides the centralized control and general supervision of the operation of the State highway garages.

These garages are located at the following cities:

Elgin	South Chicago, 159th and Crawford Avenue
Dixon	Champaign
Ottawa	Springfield (Central Garage)
Watseka	Effingham
Peoria	East St. Louis
Monmouth	Carbondale
Paris	North Chicago, 4051 Harlem Avenue

Since the purpose of the garages is to service State owned vehicles and since they are readily available in all parts of the State, a policy has been issued by the Governor to the effect that repairs and service of State vehicles should be obtained at these garages except in cases of emergency.

2. RESPONSIBILITY.—The responsibility of the Bureau of Machinery is to develop general policies for operation of the State highway garages; to make requisitions for automotive vehicles and equipment; to prepare requisitions and specifications for equipment, repairs, and supplies needed for servicing State-owned vehicles; to analyze bids for repairs, supplies, and motor vehicles and prepare letters of recommendation to the Department of Finance for the Chief Highway Engineer; to review invoices for work on State vehicles made outside the State garages; to develop and maintain accounting records for administering the State Garage Revolving Fund; to maintain operating cost of each motor vehicle operated under the executive branch of the State Government; to make periodic reviews of garage operation to see that the State garages are operated in accordance with the policies of the Bureau; and to process the purchases of motor vehicles for all agencies under the Governor.

The direct responsibility for the operation of the Central Garage in Springfield is vested in the Bureau of Machinery and correspondence concerning its operations processed through the Superintendent of Transportation while correspondence concerning the other garages is directed through the respective district engineer who is responsible for the direct operation and maintenance of State garages in his district.

3. STATE GARAGE REVOLVING FUND.—In 1941 the State enacted legislation to establish the State Garage Revolving Fund in the State Treasury. The purpose of its establishment was to eliminate the use of highway funds for servicing vehicles belonging to other State agencies; to establish better administrative control in State garage operation; and to operate the State garages on an efficient and self-sustaining basis.

MACHINERY

As directed by State legislation all costs of operating the State garages are paid from the State Garage Revolving Fund and controlled by appropriations by the General Assembly from this fund.

A depreciation charge on machinery and equipment is recorded monthly to present the financial position of the fund and the operating costs of the garages in a true light.

The balance sheet, Table 53, gives the status of the State Garage Revolving Fund at the end of each of the years 1963 and 1964.

TABLE 53.—BALANCE SHEET STATE GARAGE REVOLVING FUND.

Items	At December 31	
	1963	1964
ASSETS		
Current Assets:		
Cash.....	\$ 193,389.21	\$ 231,483.04
Accounts receivable.....	583,803.35	548,063.75
Inventories.....	584,035.94	488,180.90
Fixed Assets:		
Garage machinery and equipment (Cost).....	329,040.88	330,567.15
Office equipment (Cost).....	46,956.38	52,256.04
Passenger cars and trucks (Cost).....	99,484.86	100,078.51
Less: Reserve for depreciation.....	293,058.88	307,866.51
Total assets.....	\$1,543,651.74	\$1,442,762.88
LIABILITIES		
Current Liabilities:		
Accounts payable.....	\$ 172,902.35	\$ 127,835.04
Accrued payrolls.....	46,815.99	48,306.21
Total liabilities.....	\$ 219,718.34	\$ 176,141.25
SURPLUS		
Earned surplus.....	1,323,933.40	1,266,621.63
Total liabilities and surplus.....	\$1,543,651.74	\$1,442,762.88

4. STATE VEHICLES SERVICED.—A total of 6,411 State-owned vehicles was on hand at December 31, 1964. Included in this total were 676 passenger cars and 2,378 trucks operated by the Division of Highways.

The Bureau of Machinery keeps equipment records on all State-owned vehicles and prepares semiannual operating costs for review of respective agencies in which ownership is vested. Table 54 shows detailed operating costs for Division of Highways vehicles.

5. SERVICES, INVENTORIES, EQUIPMENT, AND STATISTICS.—The employment of experienced and qualified personnel in the 14 State garages, the prompt service and repair, and periodic inspection insure that State vehicles are kept in the best operating condition at all times.

MACHINERY

(a) *Services*.—The service provided for State vehicles includes servicing with gasoline, oil, and antifreeze; washing and polishing; installing and charging batteries; lubrication; motor tune-ups; brake adjustment and relining; tire and tube repair and installation; wheel balancing, painting, body repairs, and fender work; safety inspection; inspecting new vehicles; motor overhauling; and installation of new motors.

(b) *Inventories*.—A complete inventory of all parts, accessories, and supplies is maintained in each garage. The record is kept by means of a card system which facilitates determining the number of parts in stock at any time; keeping an adequate supply of fast moving items; and furnishing a simple method for making the inventory.

An inventory is taken at each garage once a year on a rotating basis by designated inventory personnel and other representatives of the Bureau of Machinery. The foreman of each garage is responsible for whatever other inventories he deems necessary in the operation of his garage.

Each garage is required to forward monthly physical inventories on tires, tubes, batteries, gasoline, oil, and antifreeze. These reports furnish the Bureau with a guide for purchasing the items needed. In addition, they supplement the monthly garage report with indication of overage or shrinkage occurring during the month.

(c) *Equipment*.—State-owned automotive equipment is kept in the best operating condition possible by careful servicing, repairing, and inspecting. Passenger cars are inspected in January and July while trucks are inspected in April and October each year.

Whenever necessary new garage equipment is purchased to service new model cars or to replace obsolete or worn-out items.

(d) *Statistics*.—The 14 State garages forwarded to the Bureau of Machinery 5,750 requisitions for parts, equipment, and supplies during 1964. These requisitions necessitated the issuance by the Bureau of 4,485 orders to 528 vendors for delivery of the items needed. Approximately 63,800 job invoices and 102,000 gasoline, oil, and antifreeze tickets were also issued. The total volume of sales by the State Garage Revolving Fund in 1964 was \$2,643,850.82. A net loss in the fund of \$35,477.42, after depreciation, was recorded for the year's operation.

MACHINERY

TABLE 54.—OPERATING COSTS FOR VEHICLES OF THE DIVISION OF HIGHWAYS, 1964.¹

Passenger Cars		
Item	Amount	Per Cent of Total Cost
Gasoline.....	\$224,618.65	29.622
Oil.....	13,095.93	1.727
Washing and lubrication.....	10,328.65	1.362
Repairs—labor.....	73,856.64	9.739
Repairs—parts.....	58,688.37	7.739
Tires.....	28,417.18	3.747
Tubes.....	159.46	0.021
Batteries and miscellaneous.....	5,150.89	0.679
Antifreeze.....	1,521.82	0.200
Storage.....	2,192.25	0.289
Depreciation.....	340,262.20	44.875
Total.....	\$758,292.04	100.000

Trucks		
Item	Amount	Per Cent of Total Cost
Gasoline.....	\$1,203,758.28	30.729
Oil.....	71,243.93	1.819
Washing and lubrication.....	55,222.43	1.410
Repairs—labor.....	481,497.18	12.291
Repairs—parts.....	559,180.27	14.274
Tires.....	96,934.16	2.474
Tubes.....	4,703.61	0.120
Batteries and miscellaneous.....	23,737.07	0.606
Antifreeze.....	2,866.28	0.073
Storage.....	60,273.50	1.539
Depreciation.....	1,357,973.62	34.665
Total.....	\$3,917,390.33	100.000

¹ There were 676 passenger cars and 2,378 trucks in operation by the Division of Highways at December 31, 1964.

XII. LOCAL ROADS AND STREETS

1. GENERAL.—The principal function of the Bureau of Local Roads and Streets is the supervision of highway and street activities of the counties, municipalities, and road districts¹ which involve the use of motor fuel tax funds. Additional duties which have been delegated to this Bureau since 1951 are the supervision and planning of county roads to be improved with Federal-aid secondary funds.

A counterpart of the Bureau is maintained in each of the ten highway districts. The work from the district level concerns the designation of highway and street systems; the location, survey, design, and construction of highway and street improvements; and the maintenance of highways so improved. Contacts with local officials are largely through the district offices. All resolutions, plans, requests, and other documents are first submitted to the district office where they are checked before submittal to the central office for approval. Uniformity of action and correlation of the work of the Bureau and the district offices are accomplished by field engineers from the central office.

2. RECONCILIATION OF FINANCIAL DATA.—A reconciliation is necessary when comparing allotments and balances shown in this section with those given in the section on financing. Motor fuel tax which is deposited and accumulates in the State Treasury during the month is allotted during the early part of the following month. The Department of Finance considers the allotments applicable to the month of deposit yet the money is not available for use until the following month. Consequently, the December allotment of the Department of Finance is not available for withdrawal by local units until January and for this reason is considered a January allotment by this Bureau. The following statement is a reconciliation of allotments between this section and the data contained in Section II, Financing.

¹ The reference to road districts in this section includes township, township districts, and county unit road districts.

LOCAL ROADS AND STREETS

DOWN-STATE COUNTY ALLOTMENTS

County allotment shown in Section I, Table 4 and Section II, Figure 4.....	\$19,407,030.03
Less December 1964 allotment.....	1,391,614.07
Add December 1963 allotment.....	\$18,015,415.96
	1,645,431.47
County allotment shown in Section XII, Table 58.....	\$19,660,847.43

COOK COUNTY ALLOTMENTS

Cook County allotment shown in Section I, Table 4 and Section II, Figure 4.....	\$17,789,777.50
Less December 1964 allotment.....	1,275,646.23
Add December 1963 allotment.....	\$16,514,131.27
	1,508,312.18
Cook County allotment shown in Section XII, Table 58.....	\$18,022,443.45

MUNICIPAL ALLOTMENTS

Municipal allotment shown in Section I, Table 5 and Section II, Figure 4.....	\$51,752,080.04
Less December 1964 allotment.....	3,710,970.85
Add December 1963 allotment.....	\$48,041,109.19
	4,387,817.23
Municipal allotment shown in Section XII, Table 63.....	\$52,428,926.42

ROAD DISTRICT ALLOTMENTS

Road District allotment shown in Section I, Table 6 and Section II, Figure 4....	\$16,172,525.02
Less December 1964 allotment.....	1,159,678.39
Add December 1963 allotment.....	\$15,012,846.63
	1,371,192.89
Road District allotment shown in Section XII, Table 67.....	\$16,384,039.52

The closing balances in the motor fuel tax accounts shown in this section will be equal to those shown in Section II, Financing, if the December 1964 allotments as shown by the Department of Finance are added to the balances given in this Section. A reconciliation of balances is shown below:

Item	Counties		Municipalities	Road Districts
	Down-State	Cook		
Balances available at December 31, 1964 as shown in this section. Tables 58, 63, and 67.....	\$12,929,873.88	\$12,931,346.72	\$40,362,784.59	\$16,400,379.57
Add December 1964 Allotment	1,645,431.47	1,275,646.23	3,710,970.85	1,159,678.39
Balance available as shown in Section I and Section II....	\$14,321,487.95	\$14,206,992.95	\$44,073,755.44	\$17,560,057.96

3. TABLES.—The tables which follow show State revenue available to the counties, municipalities, and townships or road districts; the amounts withdrawn by each unit of government for highway purposes; and the amount of work accomplished with State aids during 1964. Much of this data is summarized in the first chapter of this report.

LOCAL ROADS AND STREETS

TABLE 55.—COUNTY HIGHWAY MILEAGES—DECEMBER 31, 1964.

County	Class Number	Total Rural Road Mileage	Permissible County Highway Mileage	Designated Rural County Highway Mileage
Adams.....	2	1,558.61	389.65	376.98
Alexander.....	1	375.62	93.91	70.84
Bond.....	1	717.50	179.37	116.94
Boone.....	1	527.23	131.81	87.09
Brown.....	1	504.33	126.08	76.95
Bureau.....	2	1,557.56	389.39	314.84
Calhoun.....	1	338.31	84.58	57.62
Carroll.....	1	755.89	188.97	128.27
Cass.....	1	532.13	133.03	87.73
Champaign.....	2	1,974.16	493.54	79.58
Christian.....	2	1,400.73	350.18	139.12
Clark.....	1	1,018.75	254.69	159.77
Clay.....	1	918.90	229.73	132.85
Clinton.....	1	827.60	206.90	108.40
Coles.....	2	1,025.28	256.32	120.32
Cook.....	3	1,495.00	1,121.25	423.96
Crawford.....	1	863.65	215.91	153.04
Cumberland.....	1	729.60	182.40	105.23
DeKalb.....	2	1,097.81	274.45	160.23
DeWitt.....	1	760.46	190.11	91.19
Douglas.....	1	816.76	204.19	80.65
DuPage.....	2	1,003.36	250.84	211.05
Edgar.....	1	1,152.41	288.10	142.73
Edwards.....	1	412.19	103.05	67.24
Effingham.....	1	991.70	247.93	144.97
Fayette.....	2	1,394.68	348.67	165.23
Ford.....	1	955.47	238.87	111.51
Franklin.....	2	895.94	223.98	154.25
Fulton.....	2	1,377.74	344.44	236.15
Gallatin.....	1	481.04	120.26	103.19
Greene.....	1	852.99	213.25	152.57
Grundy.....	1	752.34	188.08	130.98
Hamilton.....	1	890.06	222.52	136.84
Hancock.....	1	1,427.00	356.75	192.37
Hardin.....	1	258.07	64.52	42.80
Henry.....	1	601.05	150.26	81.22
Henry.....	2	1,483.84	370.96	153.46
Iroquois.....	2	2,203.13	550.78	335.95
Jackson.....	2	949.97	237.49	163.27
Jasper.....	1	1,015.25	253.81	183.64
Jefferson.....	2	1,221.16	305.29	258.47
Jersey.....	1	598.21	149.55	109.98
Jo Daviess.....	1	872.61	218.15	167.60
Johnson.....	1	465.61	116.40	67.92
Kane.....	2	1,021.40	1339.87	302.36
Kankakee.....	2	1,333.63	333.41	236.33
Kendall.....	1	581.36	145.34	113.27
Knox.....	2	1,260.76	315.19	255.57
Lake.....	2	1,091.20	272.80	206.16
LaSalle.....	2	2,164.21	541.05	367.59
Lawrence.....	1	731.80	182.95	133.78
Lee.....	2	1,274.49	318.62	198.70
Livingston.....	2	2,086.72	521.68	251.99
Logan.....	2	1,090.45	272.61	182.92
McDonough.....	2	1,119.11	279.78	190.91
McHenry.....	2	1,296.63	324.16	188.40
McLean.....	2	2,182.63	545.66	422.07
Macon.....	2	1,187.55	296.89	233.47
Macoupin.....	2	1,479.59	369.90	210.12
Madison.....	2	1,449.47	362.37	186.75
Marion.....	2	1,179.68	294.92	229.32
Marshall.....	1	654.83	163.71	108.84
Mason.....	1	871.72	217.93	140.06
Massac.....	1	418.07	104.52	71.07
Menard.....	1	534.43	133.61	86.02
Mercer.....	1	953.28	238.32	148.69
Monroe.....	1	567.12	141.78	75.12
Montgomery.....	2	1,315.55	328.89	188.01
Morgan.....	2	1,003.63	250.91	165.75
Moultrie.....	1	668.79	167.20	52.84
Ogle.....	2	1,352.54	338.13	273.36
Peoria.....	2	1,110.83	2336.03	303.32
Perry.....	1	711.17	177.79	134.68
Piatt.....	1	826.67	206.67	71.94
Pike.....	1	1,323.68	330.92	159.63

LOCAL ROADS AND STREETS

TABLE 55.—Concluded.

County	Class Number	Total Rural Road Mileage	Permissible County Highway Mileage	Designated Rural County Highway Mileage
Pope.....	1	446.25	111.56	47.70
Pulaski.....	1	321.67	80.42	45.28
Putnam.....	1	280.06	70.02	37.56
Randolph.....	2	910.90	227.72	165.10
Richland.....	1	786.80	196.70	137.77
Rock Island.....	2	753.20	¹ 250.63	177.63
St. Clair.....	2	1,236.98	309.24	210.59
Saline.....	2	767.50	191.88	138.58
Sangamon.....	2	1,636.35	409.09	251.82
Schuyler.....	1	763.53	190.88	99.28
Scott.....	1	400.26	100.06	65.10
Shelby.....	1	1,542.92	385.75	231.73
Stark.....	1	532.75	133.19	105.18
Stephenson.....	2	1,101.05	275.26	211.00
Tazewell.....	2	1,177.10	294.27	178.08
Union.....	1	638.82	159.71	110.26
Vermilion.....	2	1,676.94	419.23	41.43
Wabash.....	1	399.26	99.82	75.68
Warren.....	1	1,030.57	257.64	173.35
Washington.....	1	915.18	228.79	126.68
Wayne.....	1	1,383.06	345.77	225.23
White.....	1	1,032.38	258.09	167.65
Whiteside.....	2	1,199.92	299.98	217.50
Will.....	2	1,757.10	439.28	279.10
Williamson.....	2	839.32	209.83	102.27
Winnebago.....	2	1,131.36	³ 455.52	308.98
Woodford.....	1	966.84	241.71	147.23
Total.....	.....	102,522.76	26,756.06	416,551.79

¹ Includes 3 additions of 10 per cent each as authorized by law.

² Includes 2 additions of 10 per cent each as authorized by law.

³ Includes 5 additions of 10 per cent each as authorized by law.

⁴ Contains 16,303.63 miles of existing county highways. The remaining mileage is designated only and not coincident with any existing road.

TABLE 56.—STATUS OF FEDERAL-AID SECONDARY ALLOTMENTS AUTHORIZED BY THE FEDERAL-AID HIGHWAY ACTS OF 1958, 1960, 1962 AND 1964, DECEMBER 31, 1964.

County	1958 Act				1960 Act				1962 Act				1964 Act			
	Allotment	Not Programmed	Under Contract but not Completed ¹	Construction Completed and Accepted	Allotment	Not Programmed	Under Contract but not Completed ¹	Construction Completed and Accepted	Allotment	Not Programmed	Under Contract but not Completed ¹	Construction Completed and Accepted	Allotment	Not Programmed	Under Contract but not Completed ¹	Construction Completed and Accepted
Adams.....	\$ 186,081.00		\$ 107,923.29	\$ 79,057.71	\$ 190,105.00	\$ 18,728.29	\$ 171,376.71	\$ 197,687.00	\$ 197,687.00		\$ 43,438.95	\$ 17,556.05	\$ 101,405.00	\$ 101,405.00		
Alexander.....	60,877.00		36,848.05	59,213.00	59,213.00		59,213.00	60,995.00	60,995.00				30,897.00	30,897.00		
Bond.....	98,563.00		80,318.29	18,244.71	98,707.00	32,825.29	65,881.71	101,933.00	101,933.00				52,287.00	52,287.00		708.63
Boone.....	71,023.00		71,023.00	74,575.00	74,575.00		40,788.36	77,222.00	33,010.36	44,211.64			39,611.00	39,611.00		
Brown.....	111,028.00		10,172.03	60,850.97	60,808.00	12,215.03	58,592.97	73,371.00	73,371.00				38,027.00	38,027.00		
Bureau.....	200,026.00			200,026.00	190,823.00		171,149.99	197,687.00		143,918.16	53,768.84		101,405.00	65,473.15	35,931.85	
Callahan.....	60,877.00	\$ 19,883.62	5,500.00	35,493.38	59,213.00		59,213.00	61,777.00	61,777.00				31,689.00	31,689.00		
Carroll.....	105,810.00			105,810.00	116,992.00		116,992.00	118,921.00				118,921.00	61,794.00	5,265.30		
Cass.....	81,170.00		75,438.47	5,711.53	80,422.00	14,180.47	66,241.53	82,399.00	82,399.00				42,780.00	42,780.00		39,528.70
Champaign.....	238,435.00			238,435.00	232,212.00	58,893.02	164,800.00	242,476.00	242,476.00				124,380.00	124,380.00		
Christian.....	169,587.00			169,587.00	168,152.00	48,483.04	51,400.00	174,521.00	174,521.00				89,522.00	89,522.00		
Clark.....	126,103.00			126,103.00	125,018.00			129,733.00		91,077.43	38,655.57		66,547.00	14,624.43	51,922.57	
Clay.....	110,159.00		76,529.57	136,205.00	120,632.00		14,883.42	125,099.00	104,082.42	79,428.19	51,484.81		57,832.00	57,832.00		
Coles.....	120,305.00			120,305.00	120,632.00			125,099.00					64,170.00	64,170.00		
Cook.....	545,723.00			545,723.00	504,102.00		223,940.45	626,256.00	626,256.00				320,852.00	57,658.88	263,193.12	
Crawford.....	110,159.00		3,354.92	106,804.08	108,538.00		108,538.00	112,743.00	69,485.92				57,833.00	57,833.00		
Cumberland.....	89,867.00			89,867.00	89,192.00			89,192.00				1,855.32	80,510.68	80,510.68		
DeKalb.....	149,294.00			149,294.00	155,740.00		155,740.00	160,621.00	89,865.19	70,755.81			82,392.00	35,457.19	46,934.81	
DeWitt.....	95,665.00			95,665.00	94,321.00			98,081.00					98,081.00	60,702.00	36,928.54	14,403.46
Douglas.....	110,159.00			110,159.00	108,105.00			117,377.00				117,377.00	60,209.00	60,209.00		60,209.00
DuPage.....	197,127.00			197,127.00	228,239.00		74,772.14	153,466.86	155,988.00	198,247.14	72,027.86		108,777.75	138,640.00	80,015.00	
Edgar.....	136,249.00			136,249.00	141,681.00			141,681.00					80,015.00	80,015.00		
Edwards.....	63,777.00			63,777.00	62,880.00			62,880.00					33,273.00	33,273.00		33,273.00
Elmhurst.....	117,408.00		59,085.05	58,367.95	117,709.00		117,709.00	127,792.00	53,439.05	69,332.95			63,378.00	63,378.00		
Franklin.....	120,305.00			120,305.00	121,376.00	60,271.00	4,180.00	125,881.00	128,188.00	128,188.00			100,613.00	53,200.94	47,412.06	
Fulton.....	136,249.00			136,249.00	125,762.00			125,762.00					65,755.00	65,755.00		
Greene.....	124,653.00			124,653.00	122,838.00			126,643.00					100,613.00	53,200.94	47,412.06	
Grundy.....	100,013.00			100,013.00	104,554.00			108,110.00	92,556.77	15,553.23			55,456.00	55,456.00		
Hamilton.....	107,260.00		51,988.19	179,733.00	179,128.00	50,226.00		108,110.00	108,110.00				55,456.00	55,456.00		
Hancock.....	133,350.00			133,350.00	134,332.00			139,781.00					139,781.00	10,619.03	51,809.97	
Hardin.....	52,181.00		23,567.41	28,613.59	49,726.00		49,726.00	50,966.00	21,519.41	29,446.59			26,143.00	26,143.00		
Henderson.....	84,068.00			84,068.00	84,062.00			84,062.00					45,157.00	45,157.00		
Henry.....	191,329.00			191,329.00	188,613.00			195,380.00	51,204.58	144,175.42			100,613.00	100,613.00		
Jefferson.....	133,350.00			133,350.00	134,332.00			139,781.00					139,781.00	10,619.03	51,809.97	
Jefferson.....	115,956.00			115,956.00	115,903.00			120,465.00	121,862.72	3,738.43			61,794.00	10,165.93	51,628.07	
Johnson.....	146,395.00		112,907.72	33,487.28	140,879.00	40,898.00		140,879.00					74,469.00	74,469.00		
Jo Daviess.....	134,800.00			134,800.00	134,506.00			140,543.00					72,093.00	72,093.00		
Johnson.....	76,822.00			76,822.00	73,832.00			77,222.00					32,445.74	32,445.74		
Kane.....	163,064.00			163,064.00	176,762.00			183,054.00	94,845.56	87,353.00			99,028.00	99,028.00		
Kendall.....	82,619.00			82,619.00	93,604.00			95,754.00	13,518.21	24,800.00			49,118.00	49,118.00		
Knox.....	163,789.00			163,789.00	165,973.00			171,432.00	81,642.63				87,937.00	87,937.00		
Lake.....	255,105.00			255,105.00	284,239.00			304,253.00	236,570.60	43,300.00			155,276.00	155,276.00		
LaSalle.....	285,251.00			285,251.00	273,476.00			273,476.00					123,770.00	123,770.00		
Lavette.....	89,563.00			89,563.00	95,783.00			100,388.00	79,501.37	20,886.63			51,455.00	51,455.00		
Lee.....	166,688.00			166,688.00	157,920.00			163,710.00	104,237.29	123,472.71			83,976.00	16,713.29	67,262.71	
Livingston.....	233,363.00			233,363.00	239,830.00		2,145.52	237,684.48	247,109.00	122,301.17			126,756.00	126,756.00		
Logan.....	136,249.00			136,249.00	135,994.00	58,031.45		140,543.00	140,543.00				72,885.00	72,885.00		
Macomb.....	189,154.00			189,154.00	229,079.00	47,027.00	129,000.00	232,426.00	232,426.00				118,834.00	118,834.00		
McHenry.....	233,656.00			233,656.00	228,089.00			236,089.00	267,187.00	135,898.75			137,055.00	99,553.75	37,501.25	
Macon.....	165,239.00		144,477.31	20,761.69	144,451.01			149,994.56	182,242.00	2,352.99			95,483.00	95,483.00		
Madison.....	247,857.00			247,857.00	282,804.00			301,164.00	291,709.34	9,454.66			154,484.00	154,484.00		
Martineau.....	146,395.00		126,138.80	20,256.20	143,302.00		143,302.00	148,265.00	101,505.80	46,759.20			76,054.00	76,054.00		
Martineau.....	95,665.00			95,665.00	95,783.00			98,843.00					50,702.00	50,702.00		
Mason.....	118,834.00			118,834.00	118,834.00			123,554.00	76,800.38	46,753.62			63,378.00	63,378.00		
Massac.....	63,777.00			63,777.00	62,881.00			64,866.00					33,273.00	33,273.00		
Menard.....	76,822.00			76,822.00	76,781.00			76,781.00					41,196.00	41,196.00		
Merced.....	127,552.00			127,552.00	127,224.00			127,224.00					67,339.00	67,339.00		
Monroe.....	89,867.00		59,735.56	30,131.44	84,321.00	45,203.00		84,321.00	97,299.00	31,506.02			49,910.00	49,910.00		
Montgomery.....	168,137.00		3,464.07	164,672.93	165,973.00			171,432.00	42,397.79	129,034.21			87,937.00	87,937.00		
Morgan.....	126,103.00			126,103.00	126,480.00			131,277.00					67,339.00	67,339.00		
Moultrie.....	92,765.00			92,765.00	92,860.00			95,754.00					49,118.00	49,118.00		
Ogle.....	178,284.00			178,284.00	178,284.00			189,965.00	145,656.33	44,308.67			93,058.67	93,058.67		
Peoria.....	211,621.00			211,621.00	205,012.00			239,387.00	14,629.46	157,830.00			122,795.00	122,795.00		
Perry.....	104,361.00			104,361.00	101,630.00			105,022.00	8,681.69	96,440.31			53,871.00	53,871.00		
Piatt.....	107,260.00			107,260.00	108,938.00			112,743.00					57,832.00	57,832.00		
Pike.....	173,211.00		61,152.36	112,058.64	101,163.00			108,938.00	58,760.28	74,133.00			91,106.00	58,831.72	32,274.28	
Pulaski.....	66,675.00		47,700.03	18,974.97	61,419.00			63,222.00					32,481.00	32,481.00		
Putnam.....	47,832.00		5,513.50	42,318.50	47,519.00	7,832.50		49,422.00	49,422.00				25,351.00	25,351.00		
Randolph.....	144,946.00			144,946.00	151,382.00	605.45		154,443.00	154,443.00				79,223.00	79,223.00		
Richland.....	89,867.00		36,296.72	53,570.28	89,192.00	71,938.72		92,666.00	92,666.00				47,584.00	47,584.00		
Rock Island.....	134,800.00			134,800.00	151,035.00	1,365.90		174,521.00	174,521.00				89,522.00	89,522.00		
St. Clair.....	263,802.00		60,866.28	202,935.72	253,516.00			274,909.00	37,991.28	236,917.72			141,016.00	141,016.00		
Saline.....	115,956.00			115,956.00	118,934.00	39,460.56		123,554.00	123,554.00							

LOCAL ROADS AND STREETS

TABLE 57.—DETAILED TABULATION OF FEDERAL-AID SECONDARY CONTRACTS AWARDED DURING 1964.

County	FAS Route No.	Section	Location	Length in Miles	Type	Width in Feet	Contract Cost
Adams.....	596	14QR.....	County line north of Barry, north (See Pike 39Q).....	0.103	A-3 bit. surf. treat., grad., ty. A base.....	20	\$5,943.34
Adams.....	1602	67Q.....	Ill. 94 at Golden, west.....	2.054	A-3 bit. surf. treat., grad., ty. B base.....	20	59,681.19
Bond.....	1746	(2-3, 2-4)G...	3½ mi. north of Greenville, northerly.....	5.725	Ty. A surf., grad.....	20	107,466.15
Boone.....	32	2B.....	Belvidere, northeast.....	0.304	Ty. A surf., grad., bridge.....	24 & 44	157,666.11
Brown.....	582	19GR.....	8 mi. northeast of Versailles.....	0.128	A-3 bit. surf. treat., grad., ty. A base.....	22	42,889.70
Bureau.....	1232	HAQ.....	2¾ mi. east of Kewanee, east.....	2.036	A-3 bit. surf. treat., grad., ty. B base.....	22	103,466.51
Bureau.....	1227	R6Q.....	½ mi. west of Thomas, west.....	1.423	A-3 bit. surf. treat., grad., ty. B base.....	22	52,913.80
Bureau.....	242	U6Q.....	3 mi. southeast of Tiskilwa, west.....	2.417	A-3 bit. surf. treat., grad., ty. B base.....	22	122,897.61
Cass.....	579	23Q.....	FAS 580 in Arenzville, northerly.....	1.484	A-3 bit. surf. treat., grad., ty. A base, culvert.....	22	93,836.76
Christian.....	556	14Q-1.....	½ mi. west of Mt. Auburn, northeasterly.....	3.936	A-2 bit. surf. treat., grad., ty. A base.....	22	1252,332.57
Christian.....	635	31B.....	½ mi. west of Roby, north (See Sangamon 103B).....	(0.836)	A-3 bit. surf. treat., grad., ty. A base, bridge.....	22	95,775.25
Clay.....	798	27B.....	1¾ mi. east of Bible Grove.....	0.010	Bridge.....		36,121.30
Clay.....	798	27G.....	7 mi. north & 1 mi. east of Sailor Springs, west.....	3.124	Ty. B surf., grad.....	20	104,387.58
Clay.....	799	30B.....	3 mi. east of Sailor Springs.....	0.511	Ty. B surf., grad., bridge.....	20	89,882.67
Clinton.....	785	3-1FL.....	Southern Railway crossing in Albers.....		Prel. Engr., FL.....		9,500.00
Clinton.....	786	32Q.....	Ill. 161 at Germantown, north.....	0.547	A-3 bit. surf. treat., grad., ty. B base.....	37	129,792.45
Coles.....	674	38Q.....	6½ mi. southwest of Mattoon, southwest.....	1.231	I-11 bit. conc. surf. grad., PCC base.....	22	185,071.90
Crawford.....	1702	44-1Q.....	1¾ mi. east of Flat Rock, east.....	1.017	B-3 bit. surf., grad., ty. B base.....	20	165,994.70
Crawford.....	Various	45TS.....	Crawford County, county-wide.....		Traffic signs.....		17,625.70
DeKalb.....	171	58Q.....	South limits of Sandwich, east & south.....	1.245	B-5 bit. conc. surf.....	20 & 38	25,681.40
DeKalb.....	1122	61Q.....	2 mi. northwest of Genoa, northwest.....	1.061	B-5 bit. conc. surf.....	20	18,610.76
DeKalb.....	1113	62G.....	DeKalb, northerly.....	3.434	Ty. B base, grad.....	26 & 42	215,512.74
DeWitt.....	1490	23B.....	3 mi. southeast of Clinton.....	0.488	A-3 bit. surf. treat., grad., ty. B base, bridge.....	20	147,445.07
Edgar.....	687	44B.....	3 mi. south of Kansas.....	0.549	Ty. B surf., grad.....	18	32,678.69
Edgar.....	684	49B.....	½ mi. east of Paris, northeast.....	0.518	I-11 bit. conc. surf., grad., SC base, bridge.....	22	169,908.47
Effingham.....	1724	26.....	US 40 in Effingham, south & west.....	0.642	PCC pav't., grad.....	26 & 40	164,563.37
Fayette.....	1714	42-1Q.....	US 40 in Brownstown, north.....	0.773	A-3 bit. surf. treat., grad., SC base.....	22 & 38	137,050.97
Fayette.....	1714	42FL.....	Penna. RR crossing in Brownstown.....		FL & crossing.....		19,550.00
Ford.....	337	9Q.....	Ill. 115, west of Thawville, east.....	2.978	A-2 bit. surf. treat., asph. stab. base.....	20	44,460.79
Ford.....	1322	39Q.....	Ill. 115 in Cabery, west.....	2.005	A-2 bit. surf. treat., asph. stab. base.....	20	31,413.70
Ford.....	1349	40B.....	¾ mi. east & ¾ mi. south of Kempton.....	0.013	Bridge.....		26,057.20
Ford.....	1349	40G.....	¾ mi. east of Kempton, southerly.....	4.013	Ty. B surf., grad.....	22	90,983.18
Ford.....	446	60Q.....	3 mi. east of Bushnell, east & north.....	5.607	A-3 bit. surf. treat., grad., ty. B base.....	20	198,275.27
Gallatin.....	888	(4, 6, 26)Q...	Ill. 141, 1 mi. west of New Haven, southerly.....	9.604	A-3 bit. surf. treat., grad., ty. A base.....	20	527,715.35
Grundy.....	272	42Q.....	2½ mi. east of Mazon, south & east.....	2.457	A-3 bit. surf. treat.....	20	14,913.77
Grundy.....	289	42Q.....	2 mi. west of Braceville, west.....	0.970	A-3 bit. surf. treat.....	20	5,765.63
Hancock.....	433	45-1G.....	¾ mi. west of Plymouth, west.....	1.540	A-1 bit. surf. treat., grad., ty. B base, bridge.....	24	223,905.55
Hancock.....	1439	46G.....	Fountain Green, east, south & east.....	4.245	A-1 bit. surf. treat., grad., ty. B base.....	24	134,292.44
Hancock.....	420	47G.....	Ill. 96, 1½ mi. south of Hamilton, south.....	2.243	A-1 bit. surf. treat., grad., ty. B base.....	24	105,871.82
Hardin.....	935	25G.....	Ill. 146, 5 mi. west of Elizabethtown, southerly.....	1.902	Ty. B surf., grad.....	18	109,798.15
Henry.....	233	51G.....	2 mi. north of Bishop Hill, east.....	3.863	Ty. B surf., grad.....	22	157,434.39
Iroquois.....	1320	139G.....	6 mi. east of Chebanse, south.....	2.495	Ty. A surf., grad.....	22	68,021.78
Iroquois.....	1333	141Q.....	4 mi. west of Milford, south.....	3.934	A-3 bit. surf. treat.....	20	24,172.34
Iroquois.....	1336	157B-2.....	½ mi. southeast of Buckley.....	0.185	Ty. A surf., grad., bridge.....	22	32,324.50

TABLE 57.—Continued.

County	FAS Route No.	Section	Location	Length in Miles	Type	Width in Feet	Contract Cost
Iroquois	1336	157G	US 45, ¼ mi. south of Buckley, east.	2.595	Ty. A surf., grad.	22	77,024.00
Iroquois	1328	217Q	1 mi. west of Donovan, west, south & west.	4.867	A-3 bit. surf. treat.	20	29,217.76
Iroquois	1336	218G	Cissna Park, westerly.	5.965	Ty. A surf., grad.	22	192,356.70
Jasper	704	42B	7½ mi. north & 1¼ mi. west of Newton.	0.749	Ty. A surf., grad., bridge	20	129,890.96
Jefferson	822	84Q	½ mi. northeast of Mt. Vernon, northerly.	5.875	B-5 bit. conc. surf., SC base	22	183,325.10
Johnson	1931	30Q	Ill. 37 in Goreville, west.	3.234	A-3 bit. surf. treat., grad., WB mac., ty. A base	20 & 44	2569,175.62
Kane	1107	67FL	C & NW Ry. crossing 3½ mi. E. of Maple Park.		Prel. engr., FL, crossing		15,345.00
Kane	168	79FL	CB & Q RR crossing at Big Rock.		Prel. engr., FL, crossing		22,161.00
Kane	97	80-1Q	3½ mi. south of Maple Park, south.	0.871	B-5 bit. conc. surf.	20	18,976.70
Kane	107	81Q	4¾ mi. south of Maple Park, south & east.	1.306	B-5 bit. conc. surf.	20	27,650.25
Kane	131	82Q	½ mi. south of Pingree Grove, south.	0.691	B-5 bit. conc. surf.	20	14,802.80
Kane	111	87Q	3 mi. southwest of Geneva, southwest.	0.436	B-5 bit. conc. surf.	22	10,063.00
Kane	130	100Q	1¾ mi. north of Hampshire, southeasterly.	3.000	B-5 bit. conc. surf.	20	55,882.00
Kankakee	311	41B	2 mi. south of DeSelm.	0.178	A-3 bit. surf. treat., grad., ty. B base, bridge	20	54,992.20
Kankakee	316	72Q-2	Ill. 17, 6 mi. west of Kankakee, south.	4.047	B-5 bit. conc. surf., grad.	22	102,276.44
Kankakee	1303	105Q	Bonfield, easterly.	1.027	B-5 bit. conc. surf., grad.	18	20,995.95
Kankakee	1302	116Q-1	Ill. 1, 3 mi. north of St. Anne, west.	2.925	B-5 bit. conc. surf., grad.	20	66,026.56
Kankakee	1300	146Q	US 54, 2½ mi. north of Manteno, easterly.	1.223	A-3 bit. surf. treat.	18	7,146.26
Kendall	1261	32G-1	Ill. 47, 3½ mi. north of Yorkville, easterly.	1.516	Ty. B base, grad.	22	45,934.61
Lake	1002	99-2Q	1½ mi. east of Antioch, south.	1.682	B-5 bit. conc., grad., asph. stab. base	22	80,352.40
LaSalle	1280	97Q	1 mi. south of Marseilles, east & south.	3.464	A-3 bit. surf. treat., salt stab.	20	21,787.38
LaSalle	265	98GRS	Leonore, easterly.	3.870	Ty. B surf.	22	27,979.38
LaSalle	265	98Q	Leonore, easterly.	3.870	A-3 bit. surf. treat., salt stab.	20	24,169.29
LaSalle	1365	103Q	Ill. 23, 3 mi. north of Ottawa, west.	1.992	A-3 bit. surf. treat., salt stab.	20	12,247.49
LaSalle	1271	106A	Sheridan, easterly.	4.215	Grad., cattle pass	30 & 36	47,095.02
LaSalle	1271	106B	3 mi. east of Sheridan.	0.019	Bridge.		27,959.45
LaSalle	1271	106G	Sheridan, easterly.	4.215	Ty. B surf.	22 & 24	50,585.85
LaSalle	1278	107G	1 mi. south of Marseilles, westerly.	1.350	Ty. B surf., grad.	22	142,838.26
Lawrence	801	70Q	Ill. 1, ½ mi. west of Birds, west.	3.207	B-3 bit. surf., grad., SC base	20	215,588.99
Lee	2179	122Q	Ill. 2, 2 mi. northeast of Dixon, east & north-easterly.		B-5 bit. conc. surf., grad., ty. B base	20	199,405.54
Livingston	347	68G	1½ mile south of Odell, easterly.	2.901	Ty. A surf.	21	99,246.00
Livingston	353	80Q	4¼ mi. south of Pontiac, west.	5.556	A-3 bit. surf. treat.	20	9,452.90
Livingston	480	117G	4¾ mi. west of Strawn, west.	1.986	Ty. A surf.	21	46,920.00
Livingston	480	161G-1	1 mi. west of Strawn, west.	3.182	Ty. A surf.	21	24,510.00
Livingston	1347	164FL	Wabash RR crossing 0.3 mi. south of Emmington.	1.768	Ty. A surf.	21	20,912.00
Livingston	1347	164Q	Emmington, south.		Prel. engr., FL, crossing		22,667.33
McHenry	19	12XQ	Ill. 120 at McHenry, southeasterly.	5.275	A-3 bit. surf. treat.	20	64,475.77
McHenry	29	58Q	Hartland, easterly.	0.500	B-5 bit. conc. surf., grad., ty. B base	37	42,980.00
McHenry	1235	61B	¾ mi. north of Ill. 176, 1½ mi. east of Marengo.	1.757	B-5 bit. conc. surf.	22	50,898.10
McHenry	1235	61B-1	¾ mi. north of Ill. 176, 1½ mi. east of Marengo.	0.030	Bridge.		47,927.80
McHenry	1235	61G	Ill. 176, 1½ mi. east of Marengo, north.	0.028	Bridge.		33,128.90
McHenry	1235	61G	Ill. 176, 1½ mi. east of Marengo, north.	0.708	Ty. A surf., grad.	24	

LOCAL ROADS AND STREETS

McHenry.....	157	115X (W&RS-1)	Ill. 62 from Fox River, easterly.....	0 778	I-11 bit. conc. surf., PCC base wid., bridge, utilities.....	2@24	2361, 838.92
McLean.....	487	40Q-1.....	Holder, north to Ill. 9.....	2 527	B-5 bit. conc. surf., grad., ty. B base.....	20	97, 380.85
McLean.....	486	41B.....	Over Mackinaw River, 2¼ mi. south of Lexington, westerly.....	0 348	Ty. A surf., grad., bridge.....	25	124, 826.68
McLean.....	473	46W.....	Lexington, westerly.....	7 966	Ty. B base wid., grad.....	2@2	27, 000.00
McLean.....	1471	100Q.....	1 mi. east of Kappa, east.....	2 649	A-3 bit. surf. treat.....	18 & 20	13, 662.22
McLean.....	1436	106Q.....	1 mi. northeast of Heyworth.....	2 417	A-3 bit. surf. treat.....	18	12, 749.32
McLean.....	1479	114Q.....	6 mi. north of McLean, west.....	1 492	A-3 bit. surf. treat.....	18	8, 372.26
McLean.....	350	115Q.....	2½ mi. east of Lexington, east & north.....	2 044	A-3 bit. surf. treat.....	18	9, 706.41
McLean.....	1483	116G.....	Ill. 9, 2 mi. east of Bloomington, north & west.....	2 029	Ty. B surf.....	24 & 26	28, 028.87
Macon.....	1546	44B.....	½, 1¼ & 1¾ mi. east of US 51, 1 mi. north of Decatur.....	0 116	I-11 bit. conc. surf., grad., PCC base, 3-bridges.....	24	339, 437.74
Macoupin.....	1737	30Q-1.....	Hettick, northerly.....	2 431	A-3 bit. surf., grad., ty. B base, bridge.....	20	285, 082.91
Macoupin.....	1736	31Q.....	¾ mi. east & 1½ mi. south of Palmyra, southeast.....	0 985	A-3 bit. surf. treat.....	18	8, 325.70
Marion.....	789	47-2Q.....	Iuka, north to US Route 50.....	0 568	B-5 bit. conc. surf., grad., ty. B base.....	22	53, 667.64
Marshall.....	1369	38A.....	Ill. 17 at Lacon, southeasterly.....	4 184	Earth grad., bridge.....	30	169, 424.25
Marshall.....	1369	38G.....	Ill. 17 at Lacon, southeasterly.....	4 163	Ty. B surf.....	22	55, 643.28
Montgomery.....	725	40-1Q.....	Hillsboro, southwesterly.....	7 012	A-3 bit. surf. treat., ty. A base.....	20	101, 579.48
Montgomery.....	732	44Q.....	3½ mi. west of Morrisonville, west.....	2 003	A-3 bit. surf. treat., grad., ty. A base.....	22	117, 742.37
Ogle.....	1043	44-1Q.....	3 mi. south of Stillman Valley, south.....	4 007	A-3 bit. surf. treat.....	22	25, 323.50
Ogle.....	1604	58Q.....	2¼ mi. west of Forreston, south.....	2 977	A-3 bit. surf. treat.....	22	19, 711.63
Ogle.....	1069	62B.....	Stillman Creek, 1 mi. east of Byron.....	0 016	Earth grad., bridge.....	32	68, 857.88
Ogle.....	89	63FL.....	CB & Q RR crossing, 2¼ mi. N.W. of Rochelle.....	0 231	Prel. engr., FL, renew & wid. crossing.....	24	13, 336.00
Peoria.....	1386	5-2RG.....	5½ mi. southwest of Hanna City, west.....	2 919	Ty. B base, grad.....	24	11, 219.60
Peoria.....	1381	5-2RG.....	3 mi. southwest of Hanna City, southwest.....		Ty. B base, grad., bridge.....	24	285, 167.74
Peoria.....	390	69FL.....	C & NW Ry. crossing 1½ mi. southeast of Dunlap.....		Prel. engr., FL.....		8, 700.00
Pike.....	596	39Q.....	US 36 in Barry, north (See Adams 14QR).....	4 144	A-3 bit. surf. treat., grad., ty. A base.....	20	178, 313.14
Pulaski.....	938	(16 & 19)Q.....	1½ mi. east of Ullin, east.....	2 324	A-3 bit. surf. treat., grad., ty. A base.....	20	130, 203.89
Pulaski.....	938	16(RS, BY).....	US 51 south of Ullin, east.....	1 113	B-5 bit. conc., grad., bridge wid.....	22	127, 489.36
Putnam.....	1253	6G.....	Granville, north & east to Ill. 89.....	3 019	Ty. B surf., grad.....	22	83, 707.10
Putnam.....	706	58.....	US 50, south of Noble, northerly.....	0 437	PCC pav't., grad.....	24	134, 532.50
Richland.....	1945	237.....	Ill. 15 & 57th St. in Belleville, northeast.....	0 967	PCC pav't., grad.....	44	484, 477.83
St. Clair.....	893	37Q.....	Ill. 142, 2½ mi. southeast of Eldorado, east.....	1 420	A-3 bit. surf. treat., grad., ty. A base.....	20	71, 475.85
Saline.....	627	76Q.....	Within Rochester, southerly.....	5 453	A-3 bit. surf. treat., grad., CA base.....	22 & 38	234, 578.87
Sangamon.....	635	103B.....	¾ mi. south of Mechanicsburg, south (See Christian 31B).....	0 836	A-3 bit. surf. treat., grad., ty. A base, bridge.....	22	270, 283.72
Sangamon.....	583	34Q.....	Erwin, easterly.....	4 730	B-5 bit. conc.....	20	69, 844.92
Schuyler.....	1372	3-2Q.....	Ill. 91, 2 mi. southeast of Wyoming, east.....	2 555	A-3 bit. surf. treat., grad., ty. B base.....	22	85, 416.16
Stark.....	66	55A.....	Winslow, west to JoDavies County.....	6 638	Earth grad.....	34	143, 185.70
Stephenson.....	465	25-4Q1.....	Ill. 29, 5 mi. south of Pekin, east.....	5 263	B-5 bit. conc. surf.....	20	99, 834.00

LOCAL ROADS AND STREETS

TABLE 57.—Concluded.

County	F.A.S. Route No.	Section	Location	Length in Miles	Type	Width in Feet	Contract Cost
Tazewell.....	1467	37FL.....	AT & SF Ry. crossing 3½ mi. east of Pekin.....	.....	Prel. engr., FL.....	.....	9, 700.00
Tazewell.....	470	39Q-1.....	US 24, 2¼ mi. east of Washington, south.....	6.149	B-5 bit. conc. surf.....	22	127, 418.25
Union.....	923	43(Q, B, B-1).....	2½ mi. northwest of Jonesboro, westerly.....	3.651	A-3 bit. surf. treat., grad., ty. A base, 2-culvs., TS.....	20	2439, 904.10
Union.....	1926	44G-1.....	1¾ mi. east of Cobden, east.....	0.538	Ty. B surf., grad.....	22	162, 689.15
Vermilion.....	498	68Q.....	4½ mi. south of Henning, south.....	1.989	I-11 bit. conc. surf., grad., PCC base.....	22	241, 585.13
Warren.....	413	102Q.....	Smithshire, south & west.....	1.372	A-3 bit. surf. treat., grad., ty. B base.....	20	51, 825.66
Warren.....	1409	102Q.....	1 mi. south of Smithshire.....	3.011	A-3 bit. surf. treat., grad., ty. B base.....	20	130, 514.94
Wayne.....	Various	54TS.....	Wayne County, county-wide.....	.....	Traffic signs.....	.....	18, 466.99
White.....	1816	33Q.....	Ill. 1, near Norris City, east.....	2.511	B-3 bit. surf., grad., SC base.....	22	87, 251.30
Whiteside.....	198	1B.....	At Fenton.....	0.095	I-11 bit. conc., grad., ty. A base, bridge.....	20	241, 007.50
Whiteside.....	198	1B-1.....	5 mi. south & 2½ mi. west of Morrison.....	0.180	I-11 bit. conc., grad., ty. A base, bridge.....	20	286, 847.10
Whiteside.....	2191	34Q.....	1¼ mi. north of Sterling, west & south.....	4.145	A-1 bit. surf. treat., grad., ty. A base.....	22	275, 736.43
Will.....	1414	133B.....	Over Thorn Creek, ½ mi. south of Park Forest.....	0.008	Bridge.....	.....	49, 475.20
Will.....	1414	133XQ.....	South limits of Park Forest, southerly.....	1.133	B-5 bit. conc., grad., ty. A base.....	22	108, 308.79
Will.....	1308	146X-1G.....	5½ mi. south of Lisle, westerly.....	2.983	Ty. B base, grad.....	22	129, 987.20
Williamson.....	906	16CS.....	Ill. 37 in Johnson City, west.....	0.507	PCC Pav't., grad., utility adj.....	36	2226, 801.88
Winnebago.....	1060	125.....	Alpine Rd. from Harrison Ave, south.....	0.970	PCC Pav't., grad., traffic signals.....	2@24	514, 409.10
Woodford.....	357	5G.....	2 mi. west of Minonk, west.....	2.992	Ty. B surf.....	22	66, 090.72
Woodford.....	363	11G-1.....	1½ mi. west of Kappa, west.....	1.808	Ty. B surf., grad.....	22	46, 691.05
Woodford.....	1348	15G-2.....	2 mi. east of Minonk, east.....	1.000	Ty. B surf.....	22	23, 405.80
Totals.....				303.533	.....	.....	\$14, 593, 767.96

¹ Construction in part or all by day labor.

² 100 per cent matching by State.

Abbreviations and terms used in above table:

Bit.—Bituminous	Grad.—Grading	Ty.—Type	Mi.—Miles	Ry.—Railway	CA—Cement Aggregate
Conc.—Concrete	SC—Soil Cement	Treat.—Treatment	Prel.—Preliminary	RR— Railroad	TS—Traffic signs
FL—Flashing lights	Surf.—Surface	Wid.—Widening	Engr.—Engineering	Pav't.—Pavement	WB—Waterbound

A-3, B-5, I-11, PCC, etc. refer to the Standard Specifications of the Division of Highways for various types of surfaces.

TABLE 58.—MOTOR FUEL TAX FUNDS AVAILABLE AND DISBURSED TO COUNTIES DURING 1964.

County	Balance Available Jan. 1, 1964	Allotted During 1964	Total Available During 1964	Disbursed for						Total Disbursed During 1964	Balance on Hand Dec. 31, 1964	
				Con- struction	FAS Matching	Right- of-way	Engineering	Obligation Retirement	Mainte- nance			2Mis- cellaneous
Adams.....	\$ 407,250.32	\$ 281,814.92	\$ 689,065.24	\$ 207,013.49	\$ 63,776.87	\$ 8,998.70	\$ 39,536.98	.....	\$ 130,506.89	.....	\$ 449,823.93	\$ 239,232.31
Alexander.....	24,561.03	46,837.56	71,398.59	.....	7,000.00	4,500.00	.....	.....	28,414.56	8,500.00	48,414.56	22,984.03
Bond.....	25,226.49	71,208.86	96,435.35	.....	.....	.....	9,339.92	.....	63,699.98	9,956.18	82,996.08	13,439.27
Boone.....	35,003.83	83,128.98	118,132.81	.....	.....	.....	.....	\$ 33,900.00	22,000.00	10,500.00	66,400.00	51,732.81
Brown.....	.....	31,976.04	31,976.04	.....	.....	.....	.....	.....	28,942.10	.....	28,942.10	3,033.94
Bureau.....	115,532.41	183,996.80	299,529.21	1,427.88	.....	.....	34,000.00	.....	110,000.00	.....	145,427.88	154,101.33
Calhoun.....	5,877.12	25,212.58	31,089.70	.....	.....	.....	.....	.....	19,362.60	4,300.00	23,662.60	7,427.10
Carroll.....	25,845.22	84,468.45	110,313.67	.....	.....	.....	.....	.....	105,213.67	5,100.00	110,313.67	.....
Cass.....	41,546.54	71,246.37	112,792.91	.....	.....	8,012.00	14,348.00	.....	56,519.97	8,400.00	87,279.97	25,512.94
Champaign.....	662,332.20	424,907.50	1,087,239.70	53,728.72	.....	60,502.75	25,251.84	.....	6,513.46	10,248.16	156,244.93	930,994.77
Christian.....	135,783.14	175,084.52	310,867.66	1—261.05	.....	29,143.20	11,999.11	.....	93,050.00	17,198.99	151,130.25	159,737.41
Clark.....	51,472.27	80,655.60	132,127.87	.....	.....	.....	.....	.....	107,907.25	.....	107,907.25	24,220.62
Clay.....	112,320.88	84,536.67	196,857.55	.....	.....	6,726.00	20,900.00	.....	64,444.47	7,500.00	99,570.47	97,287.08
Clinton.....	78,909.50	113,524.70	192,434.20	.....	.....	.....	.....	.....	64,436.30	13,000.00	77,436.30	114,997.90
Coles.....	236,986.41	207,422.35	444,408.76	13,259.67	80,033.80	14,132.50	10,542.35	.....	3,133.00	5,700.00	126,801.32	317,607.44
Cook.....	22,615,409.98	18,022,443.45	40,637,853.43	22,536,259.84	502,730.01	240,826.43	563,650.30	3,840,267.58	.....	22,772.55	27,706,506.71	12,931,346.72
Crawford.....	66,126.01	104,387.17	170,513.18	.....	.....	2,500.00	7,000.00	.....	77,210.72	10,000.00	96,710.72	73,802.46
Cumberland.....	9,821.53	41,608.85	51,430.38	.....	.....	.....	.....	.....	18,000.00	.....	29,283.45	22,146.93
DeKalb.....	109,726.19	226,680.04	336,406.23	5,000.00	.....	6,283.45	5,000.00	116,250.00	75,000.00	12,600.00	224,477.84	111,928.39
DeWitt.....	28,110.58	82,833.46	110,944.04	.....	.....	5,948.50	20,077.23	.....	39,013.26	.....	65,038.99	45,905.05
Douglas.....	111,451.22	90,047.08	210,498.30	44,173.11	.....	.....	4,000.00	.....	41,322.73	7,800.00	97,295.84	104,202.46
DuPage.....	398,012.18	981,240.39	1,379,252.57	515,376.65	14,107.87	45,820.65	45,457.58	1—117.10	265,429.59	25,090.12	911,165.36	468,087.21
Edgar.....	46,246.67	113,185.49	159,432.16	.....	.....	18,714.53	9,341.12	.....	47,938.31	3,600.00	79,593.96	79,838.20
Edwards.....	103,558.73	45,370.47	148,929.20	.....	.....	.....	.....	.....	12,252.27	3,108.00	15,360.27	133,568.93
Effingham.....	85,315.40	98,283.57	183,598.97	.....	.....	.....	8,000.00	.....	77,807.65	9,600.00	95,407.65	88,191.32
Fayette.....	32,587.53	95,970.13	128,557.66	.....	.....	12,470.16	10,519.02	.....	73,341.85	7,986.50	104,317.53	24,240.13
Ford.....	27,565.88	93,152.93	120,718.81	.....	28,269.12	.....	16,000.00	.....	13,000.00	12,415.96	69,685.08	51,033.73
Franklin.....	104,798.07	139,815.56	244,613.63	.....	.....	.....	.....	.....	93,256.48	.....	93,256.48	151,357.15
Fulton.....	180,366.16	195,578.34	375,944.50	141,048.90	34,633.76	1,090.80	.....	.....	80,368.10	.....	257,141.56	118,802.94
Gallatin.....	6,728.77	34,493.77	41,222.54	.....	.....	178.00	5,000.00	.....	12,000.00	2,400.00	19,578.00	21,644.54
Greene.....	33,121.22	81,190.21	114,311.43	.....	.....	7,682.50	10,000.00	.....	44,999.43	12,000.00	74,681.93	39,629.50
Grundy.....	27,935.11	104,966.76	132,901.87	.....	16,463.68	.....	1,700.00	.....	46,022.98	8,400.00	72,586.66	60,315.21
Hamilton.....	13,178.94	41,241.84	54,420.78	.....	.....	.....	.....	.....	37,552.86	4,585.96	42,138.82	12,281.96
Hancock.....	84,274.55	120,901.05	205,175.60	.....	.....	8,895.50	38,842.81	.....	85,743.60	.....	133,481.91	71,693.69
Hardin.....	33,119.63	25,640.79	58,760.42	.....	.....	9,641.00	2,100.00	.....	11,443.99	5,050.00	28,234.99	30,525.43
Henderson.....	29,878.55	40,785.14	70,663.69	.....	.....	.....	.....	.....	32,477.85	3,750.00	36,227.85	34,435.84
Henry.....	128,254.95	228,259.27	356,514.22	41,769.37	37,492.97	10,308.80	15,998.37	.....	76,940.10	12,000.00	194,509.61	162,004.61
Iroquois.....	48,943.86	177,522.25	226,466.11	32,000.00	.....	.....	.....	.....	121,515.22	5,500.00	159,015.22	67,450.89
Jackson.....	146,796.35	140,236.85	287,033.20	.....	.....	31,297.79	37,119.41	.....	72,655.64	7,701.60	148,774.44	138,258.76
Jasper.....	9,308.67	54,063.07	63,371.74	.....	.....	.....	.....	.....	52,000.00	6,000.00	58,000.00	5,371.74
Jefferson.....	75,567.65	142,521.71	218,089.36	.....	.....	.....	.....	.....	96,205.02	.....	96,205.02	121,884.34
Jersey.....	72,099.80	65,149.66	137,249.46	1—1,672.66	.....	31,280.00	9,196.90	.....	34,330.84	.....	83,135.08	54,114.38
JoDavies.....	67,177.98	74,761.54	141,939.52	.....	.....	.....	2,402.22	.....	47,986.42	12,713.75	63,102.39	78,837.13

TABLE 58.—Concluded.

County	Balance Available Jan. 1, 1964	Allotted During 1964	Total Available During 1964	Disbursed for						Total Disbursed During 1964	Balance on Hand Dec. 31, 1964	
				Construction	FAS Matching	Right-of-way	Engineering	Obligation Retirement	Maintenance			Miscellaneous
Johnson.....	11,922.76	31,850.66	43,773.42	117,433.12	1,545.78	4,281.86	3,000.00		10,538.25	9,163.90	28,529.79	15,243.63
Kane.....	180,025.77	746,987.17	927,012.94	232,903.40	46,685.01	118,851.33	23,249.48		345,241.56	22,865.95	674,326.45	252,686.49
Kankakee.....	153,694.39	373,268.43	526,962.82	203,462.81			28,551.59		163,922.86	14,688.89	440,066.74	86,896.08
Kendall.....	145,105.81	88,269.00	233,374.81	203,462.81			1,500.00		28,412.00		233,374.81	
Knox.....	95,921.62	281,005.14	376,926.76	29,785.83			10,456.04		164,250.46	5,193.50	209,685.83	167,240.93
Lake.....	198,936.04	892,961.80	1,091,897.84	185,062.85			68,370.89		551,525.34	18,600.00	816,163.60	275,734.24
LaSalle.....	32,946.15	553,283.24	586,229.39	199,587.88	34,653.21	17,762.60	43,613.39		278,403.78	12,000.00	586,020.86	208.53
Lawrence.....	73,704.76	77,150.41	150,855.17				11,989.17		63,256.16	8,000.00	90,207.06	60,648.11
Lee.....	60,467.46	151,781.45	212,248.91	39,664.92			10,393.45		82,402.86		132,461.23	79,787.68
Livingston.....	174,865.00	201,863.77	376,728.77	66,391.98	46,465.09	4,087.10			79,445.83	13,419.00	209,809.00	166,919.77
Logan.....	53,331.30	142,275.35	195,606.65	47,735.08			57,951.43		54,800.00	2,511.15	130,156.75	65,449.90
Macon.....	524,713.87	448,202.89	972,916.76	1,155.46	42,174.57	45,984.71			172,550.02	19,799.13	339,615.32	633,301.44
Macoupin.....	301,010.82	184,246.20	485,257.02			12,368.30	300.00		138,752.97	10,605.60	162,026.87	323,230.15
Madison.....	594,592.65	773,188.99	1,367,781.64	704,933.18	20,678.80	44,527.34	70,910.00		30,108.80	17,882.46	889,100.58	478,681.06
Marion.....	23,589.20	174,931.29	198,520.49	1,422.62		5,022.01	6,900.00		145,000.00	7,500.00	165,844.63	32,675.86
Marshall.....	12,157.24	64,397.71	76,554.95		32,536.57	9,432.21	106.64		46,234.30		55,773.15	20,781.80
Mason.....	146,610.23	83,334.82	229,945.05	31,517.47		3,042.00			41,649.24	7,962.50	85,190.31	144,754.74
Massac.....	58,847.26	72,390.53	131,237.79						8,332.79	10,467.88	50,999.22	80,238.57
McDonough.....	25,565.15	129,685.01	155,250.16				1—107.69		134,950.00		134,842.31	20,407.85
McHenry.....	80,142.89	367,061.87	447,204.76	139,489.93		26,354.91	21,791.23		35,000.00	12,443.12	235,079.19	212,125.57
McLean.....	41,010.77	347,798.49	388,809.26	24,147.40	22,738.24		44,154.61		137,810.86	7,725.00	236,576.11	152,233.15
Menard.....	2,581.81	48,111.33	50,693.14						43,105.32	7,500.00	50,603.32	87.82
Mercer.....	34,820.78	75,338.80	110,159.58						60,000.00	2,823.25	62,823.25	47,336.33
Monroe.....	20,641.00	66,414.66	87,055.66						41,823.75	7,900.00	49,723.75	37,331.91
Montgomery.....	61,938.65	158,161.69	220,100.34		62,423.72				61,000.00		149,856.73	70,243.61
Morgan.....	7,128.06	151,974.69	159,102.75			8,133.01	18,300.00		127,634.58	12,704.09	152,338.67	6,764.08
Moultrie.....	83,355.70	63,019.01	146,374.71	7,740.25	13,806.95				14,030.96	7,009.00	43,431.18	102,943.53
Ogle.....	67,335.31	184,491.64	251,826.95	51,629.00	32,564.27	3,603.00			104,576.97	12,000.00	204,373.24	47,453.71
Peoria.....	294,578.00	730,411.59	1,024,989.59	198,237.34	16,548.25	30,874.97	28,179.76		261,762.45	17,400.00	553,002.77	471,986.82
Perry.....	29,880.54	82,120.16	112,000.70			6,255.78	5,000.00		49,895.45	6,962.81	68,114.04	43,886.66
Piatt.....	53,840.31	72,202.18	126,042.49			2,402.90	30,136.00			8,933.06	41,471.96	84,570.53
Pike.....	91.26	99,408.69	99,499.95	8,000.00		6,369.96	23,250.00		44,000.00	9,000.00	90,619.96	8,879.99
Pope.....	20,566.37	15,715.94	36,282.31			756.20	6,767.16		3,070.04	4,800.00	15,393.40	20,888.91
Pulaski.....	3,461.18	27,634.33	31,145.51			756.80	3,000.00		11,588.41	6,871.55	22,216.76	8,928.75
Putnam.....	18,659.67	26,032.37	44,692.04						11,000.00	3,221.13	14,221.13	30,470.91
Randolph.....	58,295.27	112,271.59	170,566.86						50,000.00	9,258.00	59,258.00	111,308.86
Richland.....	13,961.17	81,131.14	95,092.31						67,000.00	12,600.00	79,600.00	15,492.31
Rock Island.....	116,404.17	607,986.03	724,390.20	473,264.39		88,727.31	39,700.00		9,978.76	10,000.00	621,670.46	102,719.74
Saline.....	144,979.93	106,025.70	251,005.63			24,781.86	28,089.29		87,159.55	8,400.00	148,430.70	102,574.93
Sangamon.....		541,353.73	541,353.73	1,497.04		21,766.72	50,944.36		413,585.18	32,316.78	520,110.08	21,243.65
Schuyler.....	19,764.77	39,703.36	59,468.13						28,956.30	6,000.00	34,956.30	24,511.83
Scott.....	10,791.28	34,613.27	45,404.55						19,427.73	7,551.20	26,978.93	18,452.62

Shelby.....	72,990.80	107,481.05	180,471.85	.....	.....	5,000.00	.....	79,737.81	.....	84,737.81	95,734.04
Stark.....	17,909.29	44,044.41	61,953.70	.....	.....	1,100.00	.....	26,965.63	.....	33,086.60	28,867.10
St. Clair.....	786,155.52	837,415.08	1,623,570.60	.....	.....	8,373.35	.....	311,367.45	16,000.00	502,718.35	1,120,852.25
Stephenson.....	.....	173,754.17	173,754.17	.....	.....	4,766.50	.....	63,355.90	10,576.02	157,289.44	16,464.73
Tazewell.....	261,379.89	449,811.12	711,191.01	.....	.....	.....	.....	35,606.04	.....	116,628.60	594,562.41
Union.....	49,987.92	74,298.26	124,286.18	.....	.....	12,800.00	.....	33,987.84	10,920.00	93,606.32	30,679.86
Vermilion.....	452,737.56	385,183.20	837,920.76	.....	.....	64,500.00	.....	.....	12,543.44	229,508.71	608,412.05
Wabash.....	39,306.00	62,223.36	101,529.36	.....	.....	.....	.....	15,376.49	6,476.87	56,053.36	45,476.00
Warren.....	33,558.33	94,830.56	128,388.89	.....	.....	1—261.85	.....	.....	2,692.10	2,430.25	125,958.64
Washington.....	106,579.32	63,110.34	169,689.66	.....	.....	.....	.....	57,310.39	.....	57,310.39	112,379.27
Wayne.....	20,591.33	96,452.60	117,043.93	.....	.....	.....	.....	71,930.58	.....	95,594.51	21,449.42
White.....	112,887.13	99,460.15	212,347.28	.....	.....	1—1,974.23	.....	79,018.01	8,142.00	85,119.35	127,227.93
Whiteside.....	231,478.30	256,374.36	487,852.66	.....	.....	17,640.12	.....	126,785.28	9,600.00	303,004.35	184,848.31
Will.....	181,466.73	712,678.74	894,145.47	.....	.....	32,513.20	.....	191,763.92	21,286.95	666,127.34	228,018.13
Williamson.....	240,718.20	180,837.77	421,555.97	.....	.....	.....	.....	115,944.87	14,800.00	132,401.37	289,154.60
Winnebago.....	183,439.93	777,229.12	960,669.05	.....	.....	95,957.70	.....	194,137.40	48,894.00	904,546.38	56,122.67
Woodford.....	35,132.52	129,647.73	164,780.25	.....	.....	12,771.70	.....	47,000.00	12,000.00	102,271.70	62,508.55
Total.....	\$33,532,684.66	\$37,683,290.88	\$71,215,975.54	\$27,400,757.40	\$1,627,307.86	\$1,916,139.30	\$3,990,300.48	\$8,262,430.30	\$873,479.10	\$45,354,754.94	\$25,861,220.60

¹ Transferred from funds certified prior to 1964.
² Included are county superintendent of highways salary and expense, and the counties' contribution to the Illinois Municipal Retirement Fund.

TABLE 59.—COUNTY CONSTRUCTION APPROVED DURING 1964.

County	Bituminous Pavement and Surfaces on a Concrete Base		Bituminous Surfaces not on a Concrete Base		Gravel or Stone Surfaces		Earth Grading		Bridges ¹		Total Cost
	Miles	Cost	Miles	Cost	Miles	Cost	Miles	Cost	Number	Cost	
Adams.....			1.5230	\$205,948.01							\$205,948.01
Carroll.....			2.7679	35,592.50							35,592.50
Champaign.....		\$26,497.25			2.6839	\$27,122.75					53,620.00
Christian.....										\$5,113.75	5,113.75
Coles.....				11,063.07							11,063.07
Cook.....	7.4238	5,205,472.66							5	3,601,668.73	8,807,141.39
Cook (Expressway).....	4.6091	8,801,869.14							16	35,383,269.99	44,185,139.13
DeKalb.....					0.3392				1	29,306.02	9,306.02
Douglas.....			4.5838	448,772.51					1	44,173.11	44,173.11
DuPage.....			4.8869	110,280.40						6,259.61	455,032.12
Fulton.....			10.3262	48,555.29					1	30,768.50	141,048.90
Henry.....					1.3520	32,206.47					48,555.29
Iroquois.....					2.0972	51,420.46			1	256,474.58	32,206.47
Kane.....			1.2792	8,796.65					2	32,753.65	116,691.69
Kankakee.....			6.4476	2198,045.29	4.3651	167,415.75			2	2104,331.40	230,798.94
Kendall.....											271,747.15
Knox.....			7.1349	27,785.83					1	229,899.96	27,785.83
Lake.....			1.8882	217,857.49							247,757.45
LaSalle.....			8.5157	44,146.05	9.9741	144,721.85	2.0283	\$14,485.19			203,353.09
Lee.....											78,328.90
Livingston.....			3.0640	15,658.78	1.0528	16,665.60	10.5066	23,381.69	1	78,328.90	67,896.07
Logan.....			1.5200	46,206.15					1	12,190.00	46,206.15
McHenry.....			3.8777	85,428.95	4.3017	108,123.55					193,552.50
McLean.....			1.9609	9,359.27	0.9659	8,467.20					17,826.47
Madison.....			4.2235	696,604.82							696,604.82
Marion.....										1,422.62	1,422.62
Moultrie.....			1.9701	79,879.90	3.8889	243,231.90				7,740.25	7,740.25
Ogle.....			12.4551	110,301.00							123,111.80
Peoria.....			11.2842	179,874.46	11.2783	176,863.40			1	103,278.20	213,579.20
Rock Island.....			0.1134		0.4156	28,798.70				11,055.74	367,793.60
St. Clair.....			9.5765	99,480.07						243,818.36	72,617.06
Stephenson.....	1.4682	79,957.85	3.4338	28,449.40	3.0129	77,990.15					179,437.92
Tazewell.....			1.3346	91,294.00							106,439.55
Union.....											91,294.00
Vermilion.....										6,404.73	6,404.73
Whiteside.....			1.5771	49,711.18	1.1610	87,962.45			3	23,000.00	23,000.00
Will.....			9.5106	44,798.15	8.1130	296,745.96				2,265.44	139,939.07
Winnebago.....			4.9302	30,500.00					1	52,945.80	394,489.91
Woodford.....											30,500.00
Total.....	13.5011	\$14,113,796.90	120.1851	\$2,924,389.22	55.0016	\$1,267,736.19	12.5349	\$37,866.88	37	\$39,646,469.34	\$57,990,258.53

Notes: This table includes all day labor construction that was authorized and contracts that were approved during 1964. The costs tabulated in the "Cost" columns include estimated cost for day labor improvements and contract prices for contract improvements.

This table does not include force account work on Cook County or Cook County Expressway projects.

¹ Only bridges and culverts having a 20-foot span or over are included in the number. The "Cost", however, includes small drainage structures and other incidental work built separately or in connection with the bridge sections.

² Includes work done in conjunction with an adjoining county, municipality or road district or paid for, in part, with other funds. Only the county's motor fuel tax portion of the cost is shown in this table.

³ Includes 5 highway grade separation structures, 10 elevated highway structures, 1 railroad grade separation structure and 21 bridges.

⁴ Includes \$469,703.99 for utility adjustment, \$22,360.50 for traffic signals, \$157,222.70 for signing, \$595,800.98 for lighting, \$91,334.27 for railroad crossing protection and \$650,340.90 for main driving

TABLE 60.—RECAPULATION OF COUNTY CONTRACTS APPROVED AND DAY LABOR CONSTRUCTION AUTHORIZED DURING 1964.

Law	Day Labor or Contract	Concrete Pavement and Surfaces on a Concrete Base		Bituminous Surfaces not on a Concrete Base		Gravel or Stone Surfaces		Earth Grading		Bridges ¹		Total Cost
		Miles	Cost	Miles	Cost	Miles	Cost	Miles	Cost	Number	Cost	
MFT Funds.	Contract.....	9.5820	\$8,711,811.94	97.0436	\$2,659,861.88	24.4068	\$564,781.23	2.0283	\$14,485.19	17	\$4,211,309.39	\$16,162,249.63
MFT Funds.	Day Labor ²			21.1714	184,647.44	23.6930	581,732.91	10.5066	23,381.69			789,762.04
County Funds.....	Contract.....	3.9191	5,401,984.96	1.9701	79,879.90	6.9018	121,222.05			20	35,302,747.84	40,905,834.75
County Funds.....	Day Labor ²										132,412.11	132,412.11
	Totals....	13.5011	\$14,113,796.90	120.1851	\$2,924,389.22	55.0016	\$1,267,736.19	12.5349	\$37,866.88	37	\$39,646,469.34	\$57,990,258.53

¹ Only bridges and culverts having a 20-foot span or over are included in the number. The "Cost", however, includes small drainage structures and other miscellaneous work built separately or in connection with the bridge sections.
² Day Labor costs are engineer's estimates.

LOCAL ROADS AND STREETS

TABLE 61.—COUNTY CONSTRUCTION APPROVED, 1916 to 1964, INCLUSIVE.¹

Year	Surfacing		Earth Grading		Bridges	
	Miles	Cost ²	Miles	Cost ²	Number	Cost ²
1916 to 1920 ³	420.76	\$9,238,675.39	92.58	\$378,226.46	72	\$275,419.51
1921 to 1930 ³	1,664.48	41,968,100.17	372.87	3,884,341.86	398	5,120,359.58
1931 to 1940 ³	6,153.62	66,425,985.93	1,682.76	5,752,533.69	1,550	10,866,382.64
1941 to 1950 ³	3,367.12	47,619,131.45	364.29	2,190,615.69	1,333	19,598,988.60
1951.....	408.39	9,330,121.98	14.69	117,035.49	30	8,452,928.72
1952.....	313.27	8,745,470.68	7.85	30,552.39	33	6,102,215.76
1953.....	268.61	11,874,641.30	12.60	831,362.44	34	8,258,596.24
1954.....	316.07	20,283,423.65	19.67	1,011,882.26	27	6,659,371.68
1955.....	257.08	6,652,049.88	0.47	728,732.86	15	2,837,779.82
1956.....	330.58	10,354,246.37	7.92	96,677.68	13	9,415,336.91
1957.....	272.94	10,823,343.16	10.53	1,181,739.77	34	14,417,595.10
1958.....	219.28	14,745,256.39	15.56	1,184,097.79	62	37,565,112.11
1959.....	412.53	22,315,481.09	21.28	1,188,126.36	18	6,644,704.74
1960.....	322.92	22,607,120.58	0.31	.....	43	25,396,614.08
1961.....	227.79	15,527,813.97	18.82	197,441.91	22	7,734,794.43
1962.....	200.63	8,769,889.71	16.61	350,254.81	28	9,428,018.04
1963.....	220.69	8,980,997.73	7.29	438,512.91	27	8,242,832.38
1964.....	188.69	18,305,922.31	12.53	37,866.88	37	39,646,469.34
Totals.....	15,565.45	\$354,567,671.74	2,678.63	\$19,600,001.25	2,776	\$226,663,519.68

¹ No day labor construction was approved prior to the year 1930.
² "Cost" includes the estimated cost on day labor sections and the contract price on contract sections, and does not include any canceled contracts.
³ For the individual yearly figures see the annual report for the year 1957, page 190.

LOCAL ROADS AND STREETS

TABLE 62.—COUNTY CONSTRUCTION COMPLETED DURING 1964.

County	Concrete Pavement and Surfaces on a New Concrete Base				Bituminous Surfaces		Gravel or Stone Surfaces	Oiled Earth	Earth Grading	Bridges 20-foot Span or Over
	Widening and Single-lane (0' to 15')	Two-lane (16' to 24')	Three-lane (25' to 35')	Four-lane or Over (36' or Over)	On an Existing Rigid Base	Not on a Rigid Base				
	Miles	Miles	Miles	Miles	Miles	Miles	Miles	Miles	Miles	Number
Adams.....						1.52				1
Bureau.....						4.74				
Champaign.....							2.68			
Cook.....				3.36						1
Cook (Expressway).....			0.17	4.86						118
DeKalb.....							0.06			1
Douglas.....							0.32			1
DuPage.....						1.08				
Ford.....										1
Fulton.....										1
Henry.....						7.45				
Iroquois.....							1.35			
Kane.....						1.28	2.10			1
Kankakee.....						7.46	2.06			2
Kendall.....							4.45			2
Knox.....						7.14				
Lake.....						2.39				
LaSalle.....						10.33	17.01			
Lee.....							0.09		17.79	3
Livingston.....						3.06	1.05			1
Logan.....						2.20				
McHenry.....						3.88	4.30			
McLean.....						1.96	2.93			1
Madison.....							0.44			1
Massac.....						3.29				
Ogle.....						1.97	3.89			
Peoria.....						8.02				
Piatt.....										1
Pike.....						1.98				
Rock Island.....						11.28				1
Sangamon.....							11.28	9.58		
Stephenson.....						8.92	10.49			

St. Clair.....						0.42			
Fazewell.....						6.89			
Whiteside.....							3.44	0.32	3
Will.....							1.58		
Winnebago.....							9.49	0.06	3
Woodford.....							2.23		
Total.....		20.17		38.22		578.60	4106.69	9.58	643

Note: County work such as storm sewer, crossing protection, small bridges and culverts, building removal, lighting and landscaping are not shown in this table.

1 Does not include ramp structures on Cook County expressways.

² I-11 bituminous concrete pavement on new PCC base.

³ PCC pavement.

⁴ Includes:

Subclass A-1	.....	3.45 miles
Subclass A-1 modified	.....	1.98 miles
Subclass A-2	.....	21.08 miles
Subclass A-3	.....	35.85 miles
Subclass A-3 modified	.....	7.45 miles
Subclass B-3	.....	7.54 miles
Subclass B-5	.....	11.91 miles
Subclass B-5 modified	.....	16.59 miles
Subclass I-11	.....	0.84 miles
TOTAL	.....	106.69 miles
3: Type A base	.....	11.28 miles
Type A surface	.....	8.14 miles
Type A surface modified	.....	5.63 miles
Type B base	.....	12.90 miles
Type B surface	.....	40.65 miles
TOTAL	.....	78.60 miles

Includes:

* Includes 14 highway grade separation structures, 1 railroad grade separation structure, 4 elevated highway structures, 22 bridges and 2 culverts having a 20-foot span or over.

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TABLE 63—MOTOR FUEL TAX AVAILABLE AND DISBURSED TO MUNICIPALITIES DURING 1964.

Municipality	Balance Available Jan. 1, 1964	Allotted During 1964	Total Available During 1964	Disbursed for					Total Disbursed During 1964	Balance on Hand Dec. 31, 1964
				Construction	Right-of-way	Engineering	Municipal In-debtedness	Maintenance		
Abingdon.....	\$17,766.68	\$21,252.23	\$39,018.91			\$1,264.46		\$18,033.91	\$19,298.37	\$19,720.54
Addieville.....	2,359.11	1,415.19	3,774.30			88.51		3,218.53	3,307.04	467.26
Addison.....	39,004.65	81,314.70	120,319.35	\$21,548.36		1,751.82	\$15,312.50	28,808.55	67,421.23	52,898.12
Adeline.....	1,491.43	3,796.42	2,287.85				2,570.00			2,287.85
Albany.....	4,226.14	3,902.45	8,128.59					4,337.38	2,570.00	5,558.59
Albers.....	3,808.44	3,467.50	7,275.94			179.02		4,723.86	4,516.40	2,759.54
Albion.....	18,463.25	12,405.80	30,869.05			385.09			5,108.95	25,760.10
Aledo.....	32,021.89	18,869.07	50,890.96							50,890.96
Alexis.....	16,047.60	5,378.92	21,426.52							18,784.82
Algonquin.....	5,275.28	16,492.06	21,767.34			977.22	5,660.64	2,641.70	2,641.70	4,289.42
Alhambra.....	8,519.15	3,289.84	11,808.99			403.96		10,840.06	17,477.92	6,745.33
Allendale.....	4,204.66	2,848.73	7,053.39					4,659.70	3,989.06	3,064.33
Allenville.....	16.11	1,170.12	1,186.23					1,100.00	1,100.00	86.23
Allerton.....	1,958.23	1,727.62	3,685.85					3,227.40	3,227.40	458.45
Alma.....	85.94	2,193.23	2,279.17					2,198.37	2,242.34	36.83
Alorton.....	15,915.89	20,106.60	36,022.49	2,317.44		1,045.56		12,815.92	16,178.92	19,843.57
Alpha.....	5,688.19	3,902.46	9,590.65			54.34		1—54.34		9,590.65
Alsey.....	2,190.69	1,519.32	3,710.01							3,710.01
Alsip.....	52,827.39	26,381.79	79,209.18	7,812.00		153.00	32,716.95	240.00	40,921.95	38,287.23
Altamont.....	15,609.40	10,145.20	25,754.60			628.02		6,838.86	7,466.88	18,287.72
Alton.....	315,904.18	268,418.74	584,322.92	171,875.44		21,135.02		40,182.42	232,662.30	351,660.62
Altona.....	4,073.36	3,093.78	7,167.14			522.45		5,787.16	6,309.61	857.53
Alto Pass.....	10,219.82	1,978.80	12,198.62	11,695.96				132.38	11,828.34	370.28
Alvan.....	269.04	1,721.48	1,990.52					1,627.65	1,627.65	362.87
Amboy.....	25,054.51	12,663.11	37,717.62			8,983.03	3,174.00	4,236.52	16,393.55	21,324.07
Anchor.....	3,197.36	1,188.52	4,385.88							4,385.88
Andalusia.....	6,961.41	3,995.90	10,957.31	6,712.14		3,941.40		1,492.07	10,653.54	303.77
Andover.....		1,807.26	1,807.26			171.96	15,013.60		15,013.60	143.23
Anna.....	50,640.77	26,220.65	76,861.42							61,847.82
Annavan.....	12,764.33	4,294.55	17,058.88							17,058.88
Antioch.....	19,652.14	13,894.50	33,546.64	26,848.28		110.75		3,987.61	30,946.64	2,600.00
Apple River.....	4,225.04	2,922.26	7,147.30							7,147.30
Arcola.....	7,851.59	13,925.16	21,776.75							7,256.57
Arenzville.....	2,454.42	2,554.67	5,009.09	1,749.58		204.48		14,520.18	14,520.18	
Argenta.....	957.72	5,268.64	6,226.36					3,055.03	5,009.09	
Arlington.....	2,305.22	1,556.08	3,861.30					5,162.25	5,162.25	1,064.11
Arlington Heights.....	261,738.98	204,766.24	466,505.22	14,227.12			84,802.64	30,307.00	129,336.76	337,168.46
Armington.....	573.13	2,003.30	2,576.43							2,576.43
Aroma Park.....	6,436.20	4,557.98	10,994.18							10,994.18
Arrowsmith.....	4,092.75	1,954.29	6,047.04	1—199.35		183.27		16.08		6,047.04
Arthur.....	31,666.92	12,987.81	44,654.73			2,600.00		12,126.00	15,020.52	29,634.21
Ashkum.....		3,681.90	3,681.90	291.01					291.01	3,390.89

LOCAL ROADS AND STREETS

Ashland.....	5, 155.33	6, 518.41	11, 673.74		374.64		7, 911.30	8, 285.94	3, 387.80
Ashley.....	6, 690.68	4, 055.61	10, 746.29		98.05		4, 868.64	4, 966.69	5, 779.60
Ashmore.....	2, 743.93	2, 738.47	5, 482.40				4, 087.75	4, 169.51	1, 312.89
Ashton.....	15, 649.15	6, 273.33	21, 922.48						21, 922.48
Assumption.....	9, 837.20	8, 815.79	18, 652.99				1, 062.50	1, 062.50	17, 590.49
Astoria.....	5, 876.80	7, 388.33	13, 265.13		239.24		5, 980.96	6, 220.20	7, 044.93
Athens.....	1, 535.12	6, 340.75	7, 875.87		113.34	2, 150.00	1, 873.15	4, 136.49	3, 739.38
Atkinson.....	23, 009.16	5, 783.24	28, 792.40		337.50		2, 198.09	2, 535.59	26, 256.81
Atlanta.....	7, 063.48	9, 606.08	16, 669.56		58.87		6, 831.82	6, 399.44	10, 270.12
Atwood.....	11, 711.99	7, 706.92	19, 418.91				3, 709.63	3, 709.63	15, 709.28
Auburn.....	10, 089.00	13, 533.04	23, 622.04				8, 491.51	8, 904.17	14, 717.87
Augusta.....	206, 913.48	5, 605.60	5, 605.60				4, 908.59	5, 127.83	477.77
Aurora.....	19, 713.67	390, 338.71	597, 252.19	51, 625.00	36, 828.26	14, 583.30	49, 694.67	389, 756.19	207, 496.00
Ava.....	19, 713.67	4, 074.02	23, 787.69		1, 47.35				23, 787.69
Aviston.....	3, 580.19	4, 392.56	7, 972.75				4, 352.15	4, 304.80	3, 667.95
Avon.....	1, 631.08	6, 101.82	7, 732.90						7, 732.90
Baldwin.....	4, 688.74	2, 058.47	6, 747.21						6, 747.21
Banner.....	12.89	1, 513.20	1, 526.09		61.58		1, 137.00	1, 198.58	18, 327.51
Bannockburn.....	15, 418.66	2, 854.88	18, 273.54						18, 273.54
Barclay.....	659.47	1, 629.61	2, 289.08				1, 736.41	1, 819.28	469.80
Barrington.....		33, 290.44	33, 290.44				11, 283.24	20, 606.00	12, 684.44
Barrington Hills.....	25, 187.69	14, 096.68	39, 284.37		3, 917.38	3, 760.67	26, 760.90	28, 215.73	11, 068.64
Barry.....	15, 940.65	8, 711.66	24, 652.31		1, 454.83		9, 839.71	10, 192.14	14, 460.17
Bartleso.....	2, 328.48	2, 266.75	4, 595.23		352.43				4, 595.23
Bartlett.....	7, 161.08	10, 632.78	17, 793.86						17, 793.86
Bartonville.....	30, 071.06	49, 996.92	80, 067.98		697.19	25, 594.43	13, 540.40	39, 832.02	40, 235.96
Basco.....	329.52	1, 170.12	1, 499.64						1, 499.64
Batavia.....	6, 745.87	45, 922.93	52, 668.80		4, 243.63			6, 390.88	46, 277.92
Batchtown.....	755.55	1, 519.31	2, 275.26						2, 275.26
Bath.....	7, 180.49	2, 438.27	9, 618.76		146.80		3, 178.52	3, 325.32	6, 293.44
Baylis.....	1, 445.48	1, 739.89	3, 185.37				2, 143.69	2, 143.69	1, 041.68
Beardstown.....	21, 623.33	38, 559.08	60, 182.41		2, 412.57		12, 584.20	15, 243.53	44, 938.88
Beaverville.....	7, 844.37	2, 634.34	10, 478.71						10, 478.71
Beckemeyer.....	1, 177.73	6, 469.40	7, 647.13		287.00		4, 727.99	5, 014.99	2, 632.14
Bedford Park.....	16, 867.40	4, 515.09	21, 382.49	15, 033.15	155.70			15, 188.85	6, 193.64
Beecher.....	11, 617.30	8, 374.67	19, 991.97						19, 991.97
Beecher City.....	980.75	2, 769.09	3, 749.84				3, 384.71	3, 384.71	3, 365.13
Belgium.....	3, 858.63	3, 026.41	6, 885.04				4, 014.63	4, 096.56	2, 788.48
Belknap.....	2, 613.72	1, 243.64	3, 857.36				2, 513.57	2, 513.57	1, 343.79
Belleflower.....	648.99	2, 383.16	3, 032.15						3, 032.15
Belle Prairie City.....	288.89	502.37	791.26				530.60	530.60	269.66
Belle River.....	47.50	1, 856.25	1, 903.75						35.15
Belleville.....	365, 216.11	228, 291.31	593, 507.42	1, 834.67	50, 957.22	52, 519.87	71, 842.47	593, 507.42	11, 249.84
Bellevue.....	13, 029.99	9, 563.19	22, 593.18		1, 550.24		8, 971.69	11, 343.34	2, 810.90
Belmont.....	2, 353.01	1, 960.44	4, 313.45				1, 502.55	1, 502.55	
Blackwood.....	32, 396.56	126, 992.55	159, 389.11		8, 214.11	54, 880.19	9, 942.50	146, 980.65	12, 408.46
Belvidere.....	85, 226.09	68, 755.74	153, 981.83		2, 464.75		5, 663.45	45, 300.18	108, 681.65
Bement.....	1, 590.97	9, 544.80	11, 135.77				9, 288.38	9, 288.38	1, 847.39
Benld.....	761.99	11, 321.45	12, 083.44				8, 368.77	8, 368.77	3, 714.67
Bensenville.....	38, 490.62	67, 738.77	106, 229.39		6, 631.93		13, 062.90	28, 746.35	77, 483.04
Benson.....	5, 469.89	2, 615.97	8, 085.86						8, 085.86
Bentley.....	100.69	545.24	645.93						645.93
Benton.....	24, 581.83	43, 025.18	67, 607.01		1, 214.38	21, 100.00	15, 616.30	37, 930.68	29, 676.33
Berkeley.....	5, 169.89	37, 492.25	42, 662.14			25, 116.41		25, 116.41	17, 545.73

TABLE 63.—Continued.

Municipality	Balance Available Jan. 1, 1964	Allotted During 1964	Total Available During 1964	Disbursed for					Total Disbursed During 1964	Balance on Hand Dec. 31, 1964
				Construction	Right-of-way	Engineering	Municipal Indebtedness	Maintenance	Treasurer's Fees and Miscellaneous	
Berlin	766.16	1,206.89	1,973.05					1,069.00		904.05
Berwyn	347,715.29	332,193.75	679,909.04	10,447.73		2,754.92		86,303.71		580,402.68
Bethalto	5,817.70	23,868.15	29,685.85	13,127.19		583.08		15,742.29		29,452.56
Bethany	7,531.64	6,849.24	14,380.88					6,112.05	124.74	8,144.09
Biggsville	5,069.59	2,113.60	7,183.19			205.38		3,304.40		3,673.41
Bingham	106.88	747.41	854.29					187.50		666.79
Birds	377.38	1,439.68	1,817.56					801.54	16.03	999.99
Bishop Hill	4,198.17	1,004.72	5,202.89					1,834.73		3,368.16
Bloomingsville	4,712.95	5,225.75	9,938.70			252.85		3,978.60		1,707.25
Bloomington	11,739.21	7,731.41	19,530.62							19,530.62
Blue Island	219,386.29	222,207.89	441,594.18	241,210.93	27,100.00	15,174.33		14,332.08		143,776.84
Blue Mound	27,661.99	120,186.21	147,851.20	108,068.04		3,618.68		36,164.48		147,851.20
Bluffs	4,868.49	6,359.12	11,227.61					1,680.52		9,547.09
Bluffs	6,576.60	4,772.40	11,349.00			200.00		6,834.57		4,514.43
Bluford	387.12	2,377.01	2,764.13					2,457.75		306.38
Bone Gap	258.50	1,500.95	1,759.45					1,391.40	34.80	333.25
Bonfield	2,691.35	1,090.48	3,181.83			183.56		1,863.34		1,318.93
Bourbonnais	31,553.01	20,437.41	51,990.42	21,782.65		1,022.09	21,773.99	4,172.10		5,283.77
Bowen		3,424.62	3,424.62			111.71		2,622.67		690.24
Braceville	2,190.20	3,418.48	5,608.68					398.00		5,210.68
Bradford	9,521.66	5,250.27	14,771.93			754.43		12,045.20		1,972.30
Bradley	46,474.06	49,512.94	95,987.00			1,668.86	37,230.72	24,670.25		32,417.17
Braidwood	10,151.08	11,909.57	22,060.65			345.13		2,262.02		19,453.50
Breese	6,624.68	15,076.86	21,701.54	261.46		218.39		11,996.20		9,225.49
Bridgeport	12,431.03	13,845.49	26,276.52			618.66	4,560.00	6,486.00		14,611.86
Bridgeview	196,749.27	44,930.47	241,679.74							241,679.74
Brighton	12,253.00	7,645.66	19,898.66			114.40		8,736.51		11,064.14
Brimfield	3,255.18	4,018.86	7,274.04			446.41		3,311.44		3,516.19
Broadlands	1,167.72	2,107.46	3,275.18					849.00		2,426.18
Broadview		59,045.51	59,045.51			1,151.00	51,393.66			7,802.85
Broadwell	506.61	1,059.85	1,566.46					1,535.74	30.72	
Brocton	1,404.31	2,328.02	3,732.33					340.00		3,392.33
Brookfield	60,119.56	125,154.66	185,274.22	49,406.68		9,251.15	12,557.96	77,150.25		36,908.18
Brooklyn	78,797.50	11,774.80	90,572.30	62,104.15	278.75	1,764.66		3,817.75		22,606.99
Brookport	8,708.49	7,069.77	15,778.26							15,778.26
Broughton		1,439.68	1,439.68					1,081.42	21.87	336.39
Browning	9,769.56	1,837.89	11,607.45	2,968.80		282.04		1,593.74		6,762.87
Browns	1,218.51	1,537.71	2,756.22					1,807.40		948.82
Brownstown	1,442.74	4,037.25	5,479.99			311.01		2,806.23		2,362.75
Brussels	2,145.44	1,231.38	3,376.82							3,376.82
Bryant	455.04	2,119.71	2,574.75			113.37		2,086.63		374.75
Buckingham	1,181.92	931.20	2,113.12							2,113.12

LOCAL ROADS AND STREETS

Buckley.....	13,443.80	4,227.18	17,670.98	11,143.00	669.57	1—23.25	11,789.32	5,881.66
Buckner.....	4,384.14	3,737.06	8,121.20					8,121.20
Buda.....	4,647.13	4,484.48	9,131.61			2,912.01	3,151.53	5,980.08
Buffalo.....	2,810.32	2,180.97	4,991.29			1,197.84	1,197.84	3,793.45
Buffalo Grove.....	28,632.56	21,007.15	49,639.71		196.16	2,951.47	3,147.63	46,492.08
Bulpitt.....	10,334.01	1,880.78	12,214.79			64.90	66.20	12,148.59
Buncombe.....	1,491.97	1,225.25	2,717.22			1,558.00	1,558.00	1,159.22
Bunker Hill.....	8,811.72	9,336.53	18,148.25		256.89	10,353.82	10,610.71	7,537.54
Bureau Junction.....	7,471.23	2,456.65	9,927.88					9,927.88
Burlington.....	16,987.13	2,205.47	19,192.60	9,124.03	964.42	1—130.42	10,766.60	8,426.00
Burnham.....	56,010.90	15,191.03	71,191.93	50,027.37	4,974.54		55,001.91	16,190.02
Burr Ridge.....	6,099.39	4,839.79	10,939.18		683.65	8,816.19	9,499.84	1,439.34
Bush.....	2,053.07	2,811.98	4,865.05			1,370.03	1,397.43	3,467.62
Bushnell.....	40,392.76	22,728.66	63,121.42		761.52	16,472.85	39,389.53	23,731.89
Butler.....	925.50	1,525.46	2,450.96			1,459.07	1,459.07	991.89
Byron.....	3,763.76	9,667.33	13,431.09		103.46	2,693.26	2,693.26	10,737.83
Cabery.....	4,009.65	1,795.00	5,804.65		375.35	3,230.42	3,605.77	2,198.88
Cahokia.....	202,010.69	96,793.58	298,984.27	3,751.00	12,027.77	121,724.08	279,197.25	19,787.02
Cairo.....	58,837.04	57,268.88	116,075.92	141,694.40	17,500.00		89,240.38	26,835.54
Calhoun.....	397.93	1,151.75	1,549.68	71,740.38	127.36	1,305.53	1,432.89	116.79
Calumet City.....	32,237.22	159,286.43	190,523.65	15,732.02		41,522.80	190,523.65	
Calumet Park.....		51,755.19	51,755.19	34,922.64	3,121.90		38,579.34	13,175.85
Camargo.....	437.46	1,690.88	2,128.34		3,656.70		1,591.60	536.74
Cambria.....	1,334.10	3,479.76	4,813.86			38.95	1,986.22	2,827.64
Cambridge.....	5,183.71	10,200.32	15,384.03				15,384.03	
Camden.....	779.80	710.66	1,490.46			1,444.17	1,444.17	
Campbell Hill.....	3,248.89	1,611.23	4,860.12					46.29
Camp Point.....	13,082.67	6,689.95	19,772.62		133.95	2,679.06	2,813.01	4,860.12
Campus.....	2,082.23	1,010.84	3,093.07					16,959.61
Canton.....	61,911.76	83,244.49	145,156.25		1,366.87	1,436.04	193,600.67	3,093.07
Cantrill.....	183.65	704.55	888.20			749.25	749.25	41,555.58
Capron.....	4,116.85	4,018.85	8,135.80					138.95
Carbon Cliff.....	9,890.00	7,768.19	17,658.19					8,135.80
Carbondale.....	116,042.37	89,873.16	205,915.53	44,983.35	287.61	2,550.24	2,837.85	14,820.34
Carbon Hill.....	1,627.22	1,445.81	3,073.03		26,234.45		71,217.80	134,697.73
Carlinville.....	57,357.50	33,327.21	90,684.71	54,570.74				3,073.03
Carlock.....	3,638.83	2,003.31	5,642.14		9,177.01	11,871.00	75,618.75	15,065.96
Carlyle.....	59,301.30	17,784.72	77,086.02	55,000.60				5,642.14
Carmi.....	365.27	37,689.14	38,054.41		438.09	3,969.35	59,407.44	17,678.58
Carol Stream.....	3,394.41	15,401.55	18,795.96		601.75	16,690.88	25,503.63	12,550.78
Carpentersville.....	32,459.62	106,745.04	139,204.66	7,577.88	339.35	5,312.75	5,652.10	13,143.86
Carrier Mills.....	27,301.77	12,289.40	39,591.17		13,763.38	231.57	21,572.83	117,631.83
Carrollton.....	11,275.69	15,671.14	26,946.83		677.15	14,115.44	14,792.59	24,798.58
Cartersville.....	6,144.11	16,191.87	22,335.98	3,532.94	96.78	1,935.50	2,032.28	24,914.55
Carthage.....	3,035.95	20,370.01	23,405.96		5,094.20	5,517.16	14,144.30	8,191.68
Cary.....	8,674.58	19,628.74	28,303.32	13,345.30	917.04	18,680.26	19,597.30	3,808.66
Casey.....	15,287.92	17,705.09	35,000.00	6,444.72	1,310.40	9,153.22	23,808.92	4,494.40
Caseyville.....	3,202.58	15,040.10	30,325.02			3,609.48	10,054.20	7,650.89
Catlin.....	10,685.69	7,737.54	10,940.12		953.16	12,652.31	13,005.47	17,322.55
Cave-in-Rock.....	1,696.86	3,032.53	13,718.22			7,099.20	7,099.20	3,840.92
Cedar Point.....	4,045.81	1,886.91	3,583.77			2,114.68	2,114.68	11,603.54
Cedarville.....	4,231.33	3,492.00	7,537.81	4,080.04		193.75	193.75	3,390.02
Central City.....	22,422.21	85,180.39	107,602.60	7,500.00	1,225.77		5,305.81	2,232.00
Centralia.....					1,12.20	7,712.47	7,700.27	5,242.70
					1—47.80	26,807.91	87,707.63	19,894.97

TABLE 63.—Continued.

Municipality	Balance Available Jan. 1, 1964	Allotted During 1964	Total Available During 1964	Disbursed for						Total Disbursed During 1964	Balance on Hand Dec. 31, 1964
				Construction	Right-of-way	Engineering	Municipal In-debtedness	Maintenance	Treasurers' Fees and Miscellaneous		
Centreville.....	133,491.34	78,227.04	211,718.38	1—705.68	.....	5,837.82	.....	58,088.68	.....	63,220.82	148,497.56
Cerro Gordo.....	3,654.88	6,536.77	10,191.65	.....	.....	.....	.....	7,901.47	.....	7,901.47	2,290.18
Chadwick.....	2,623.72	3,688.14	6,311.86	.....	.....	.....	.....	.....	.....	.....	6,311.86
Champaign.....	15,736.60	316,347.39	332,083.99	18,301.02	.....	24,999.00	170,001.00	24,440.96	.....	237,741.98	94,342.01
Chandlerville.....	5,717.74	4,398.70	10,116.44	.....	.....	94.80	.....	1,188.19	.....	1,282.99	8,833.45
Channahon.....	2,939.65	6,873.72	9,813.37	.....	.....	371.11	.....	2,593.31	.....	2,964.42	6,848.95
Chapin.....	415.01	2,922.26	3,337.27	.....	.....	.....	.....	.....	.....	.....	3,337.27
Charleson.....	14,439.19	64,357.02	78,826.21	20,618.01	.....	3,238.88	.....	20,453.46	.....	44,310.35	34,515.86
Chatham.....	2,854.57	6,549.03	9,403.60	.....	.....	238.35	.....	5,958.65	.....	6,197.00	3,206.60
Chatsworth.....	7,031.63	8,148.00	15,179.63	.....	.....	719.73	.....	7,834.16	.....	8,553.89	6,625.74
Chebanse.....	1,223.49	6,095.69	7,319.18	1—30.59	.....	378.32	.....	4,734.00	.....	5,081.73	2,237.45
Chenoa.....	10,544.60	9,330.38	19,874.89	3,358.50	.....	935.91	.....	5,069.99	.....	9,364.40	10,510.58
Cherry.....	9,427.91	3,069.29	12,497.20	.....	.....	776.47	.....	8,707.15	.....	9,483.62	3,013.58
Cherry Valley.....	2,250.07	5,369.52	7,610.59	.....	.....	.....	.....	.....	.....	.....	7,610.59
Chester.....	81,370.44	27,323.41	108,693.85	.....	.....	.....	.....	.....	.....	.....	108,693.85
Chesterfield.....	3,305.89	1,715.36	5,021.25	.....	.....	.....	.....	2,829.75	56.60	2,886.35	2,134.90
Chicago.....	11,609,469.60	21,750,923.77	33,360,393.37	13,579,150.02	7,372.18	1,601,475.44	340,651.54	7,746,454.01	.....	23,275,103.19	10,085,290.18
Chicago Heights.....	24,672.09	210,322.83	234,994.92	105,129.87	.....	10,037.12	19,350.00	13,976.75	.....	148,493.74	86,501.18
Chicago Ridge.....	37,008.92	41,573.25	78,582.17	24,195.74	.....	1,983.31	22,612.50	.....	.....	48,791.55	29,790.62
Chillicothe.....	12,696.55	20,584.43	33,280.98	4,500.00	.....	251.87	.....	15,303.42	.....	20,055.29	13,225.69
Chrisman.....	1,319.83	7,480.25	8,800.08	.....	.....	.....	.....	543.01	44.44	543.01	8,257.07
Christopher.....	18,628.90	17,484.54	36,113.44	.....	.....	.....	4,400.00	.....	.....	4,444.44	31,669.00
Cicero.....	10,826.68	423,512.74	434,339.42	175,832.40	.....	17,530.00	237,771.83	3,205.19	.....	434,339.42	464.87
Cisco.....	618.79	2,438.27	3,057.06	.....	.....	.....	.....	2,592.19	.....	2,592.19	.....
Cisne.....	.....	3,767.69	3,767.69	.....	.....	.....	.....	3,693.83	73.86	3,767.69	.....
Cissna Park.....	1,928.49	4,919.45	6,847.94	.....	.....	.....	.....	.....	.....	.....	6,847.94
Claremont.....	2,281.49	1,366.17	3,647.66	.....	.....	153.71	.....	1,792.40	39.72	1,985.83	1,661.83
Clarendon Hills.....	39,174.77	36,053.40	75,228.17	.....	.....	682.60	16,837.50	8,532.47	.....	26,052.57	49,175.60
Clay City.....	3,286.96	7,008.51	10,295.47	.....	.....	.....	5,050.00	.....	.....	5,050.00	5,245.47
Clayton.....	9,556.45	4,741.77	14,298.22	.....	.....	188.19	.....	4,704.68	.....	4,892.87	9,405.35
Clear Lake.....	1,201.14	1,341.68	2,542.82	.....	.....	.....	.....	1,332.11	.....	1,332.11	1,210.71
Cleveland.....	3,231.16	1,537.71	4,768.87	.....	.....	.....	540.00	1,182.50	.....	1,722.50	3,046.37
Clifton.....	1,308.60	6,236.60	7,545.20	8,390.37	.....	418.73	.....	1—1,263.90	.....	7,545.20	.....
Clinton.....	19,505.61	45,059.11	64,564.72	468.11	.....	7,646.85	.....	3,417.21	.....	11,532.17	53,032.55
Coal City.....	15,543.79	17,472.29	33,016.08	.....	.....	.....	.....	.....	.....	.....	33,016.08
Coalton.....	2,161.13	2,156.45	4,317.58	.....	.....	.....	.....	2,536.13	.....	2,536.13	1,781.45
Coal Valley.....	2,101.08	2,664.95	4,766.03	.....	1,200.00	.....	.....	.....	.....	1,200.00	3,566.03
Coatsburg.....	290.88	1,090.48	1,381.36	.....	.....	.....	.....	1,153.00	23.06	1,176.06	205.30
Cobden.....	15,127.46	5,623.96	20,751.42	.....	.....	115.00	.....	1,500.72	.....	1,615.72	19,135.70
Coffeen.....	.....	3,075.42	3,075.42	.....	.....	.....	.....	2,859.25	.....	2,859.25	216.17
Colchester.....	5,464.24	9,158.86	14,623.10	.....	.....	325.93	.....	4,344.02	.....	4,669.95	9,953.15
Coleta.....	3,446.97	1,206.89	4,653.86	.....	.....	.....	.....	.....	.....	.....	4,653.86
Colfax.....	2,084.05	5,476.93	7,560.98	.....	.....	25.27	.....	186.74	.....	212.01	7,348.97

LOCAL ROADS AND STREETS

Collinsville.....	51,811.95	87,097.95	138,909.90				3,080.24		30,160.80	1—130.02	33,111.02	105,798.88
Colona.....	5,856.11	5,550.45	11,406.56				602.64		8,744.40		9,347.04	2,059.52
Colp.....	1,673.60	1,231.38	2,904.98				115.00		2,299.62	48.30	2,462.92	3,442.06
Columbia.....	31,727.01	19,444.95	51,171.96		9,943.29		951.59		6,731.41		17,626.29	33,545.67
Columbus.....	1,368.42	667.77	2,036.19						806.11	16.12	822.23	1,213.96
Compton.....	1,756.00	2,242.22	3,998.22									3,998.22
Concord.....	2,569.41	1,286.53	3,855.94									2,946.79
Congerville.....	78.11	1,458.05	1,536.16				187.91		891.32	17.83	909.15	
Cooksville.....	10,698.88	1,353.93	12,052.81				366.82		1,348.25		1,536.16	
Cordova.....	3,753.38	3,075.42	6,828.80				314.40		3,173.02		3,539.84	8,512.97
Cornell.....	3,076.75	3,210.19	6,286.94		1,173.24		548.80		3,282.74	107.96	3,597.14	3,231.66
Cortland.....	4,903.05	2,824.24	7,727.29				129.18		5,022.55		5,506.07	780.87
Coulterville.....	14,133.00	6,261.09	20,394.09						1,243.46		1,372.64	6,354.65
Country Club Hills....	760.71	29,228.68	29,989.39						6,679.93		6,679.93	13,714.16
Countryside.....	32,166.27	14,927.41	47,093.68		16,618.40				10,117.00		17,589.14	12,400.25
Cowden.....	455.67	3,522.64	3,978.31				123.12		4,549.00		23,426.83	23,666.85
Cranville.....	1,407.61	2,579.18	3,986.79						3,078.00	130.66	3,331.78	646.53
Creal Springs.....	4,532.44	4,803.04	9,335.48						2,434.57		2,544.46	1,442.33
Crescent City.....	5,433.53	3,265.33	8,698.86									9,335.48
Creston.....	3,261.71	2,781.37	6,043.08				587.01		5,544.60		6,131.61	2,567.25
Crest Hill.....	41,741.30	35,765.47	77,506.77									6,043.08
Crestwood.....	29,654.70	24,002.92	53,657.62				1,319.24		20,334.43		21,653.67	55,853.10
Crete.....	30,459.31	22,273.05	52,732.36		15,907.75		593.04		6,100.77		6,693.81	46,963.81
Creve Coeur.....	83,192.96	40,948.35	124,141.31		3,295.25		2,159.81		7,743.40		25,810.96	26,921.40
Crossville.....	20,424.41	5,354.41	25,778.82				1,633.02		19,970.92		24,899.19	99,242.12
Crystal Lake.....	20,786.64	59,934.26	71,720.90		37,541.06		200.25		3,452.70		3,652.95	22,125.87
Cuba.....	9,112.19	8,454.32	17,566.51			685.28	5,130.98		15,578.25		58,935.57	12,785.33
Cullom.....	8,757.61	3,400.10	12,157.71				1,063.06		14,651.31		15,714.37	1,852.14
Cutler.....	6,142.01	2,726.21	8,868.22									12,157.71
Cypress.....	2,128.05	1,617.34	3,745.39						2,780.30		2,780.30	8,868.22
Dahlgren.....	2,894.38	2,940.63	5,835.01						5,540.00		5,540.00	965.09
Dakota.....	3,150.45	2,223.86	5,374.31								1,175.00	295.01
Dallas City.....	674.74	7,817.21	8,491.95				413.13		7,705.54		8,118.67	4,199.31
Dalton City.....	135.75	2,364.76	2,500.51						2,006.21		2,006.21	373.28
Dalzell.....	10,753.94	3,038.63	13,792.57						1—249.79		13,792.57	494.30
Dana.....		1,470.32	1,470.32		11,109.36		67.00				384.26	1,086.06
Danforth.....	4,081.58	2,413.77	6,495.35		126.77		257.49		3,465.38		3,866.89	2,628.46
Danvers.....	13,654.03	4,796.90	18,450.93		14,500.00		401.51		1,011.00		15,566.88	2,884.05
Danville.....	137,752.45	256,423.39	394,175.84		139,001.28		3,027.74		15,163.19		157,192.21	236,983.63
Davis.....	7,899.36	2,658.83	10,558.19		3,472.14		742.75		3,115.04		7,329.93	3,228.26
Dawson.....	4,732.00	2,407.65	7,139.65				191.34		4,323.30	90.29	4,604.93	2,534.72
Decatur.....	314,889.92	508,145.64	823,035.56		21,151.36		878.28		29,541.82		413,749.44	409,286.12
Deer Creek.....		3,571.66	3,571.66		1,220.09		192.25		1,838.70	66.36	3,317.40	254.26
Deer Park.....	11,549.30	2,916.13	14,465.43						40,258.79		112,948.11	14,465.43
Deerfield.....	30,102.83	87,716.69	117,819.52		63,197.43		9,491.89				123,402.97	4,871.41
DeKalb.....	179,425.54	141,536.45	320,961.99		154,651.79		22,769.73				197,559.02	123,402.97
DeLand.....	2,664.67	2,585.32	5,249.99				147.82		2,320.23		2,468.05	2,781.94
DeLavan.....	3,613.25	9,281.38	12,894.63				562.15		2,645.05		6,338.10	6,556.53
DePue.....	1,351.96	11,762.55	13,114.51									13,114.51
DeSoto.....	12,967.50	4,429.34	17,396.84						347.50		347.50	17,049.34
DesPlaines.....		252,459.67	252,459.67		88,290.88		7,755.36		3,382.92		99,429.16	153,030.51
Detroit.....	1,734.09	771.92	2,506.01									2,506.01
DeWitt.....	589.09	1,500.95	2,090.04						267.78		267.78	1,822.26

LOCAL ROADS AND STREETS

TABLE 63.—Continued.

Municipality	Balance Available Jan. 1, 1964	Allotted During 1964	Total Available During 1964	Disbursed for					Total Disbursed During 1964	Balance on Hand Dec. 31, 1964
				Construction	Right-of-way	Engineering	Municipal indebtedness	Maintenance		
Diamond.....	3,042.65	1,531.57	4,574.22	.....	.....	127.06	.....	977.34	1,104.40	3,469.82
Dieterich.....	1,605.77	3,620.66	5,226.43	.....	.....	242.22	.....	1,779.70	2,021.92	3,204.51
Divernon.....	1,503.94	6,107.95	7,611.89	.....	.....	206.60	.....	4,023.27	4,229.87	3,382.02
Dix.....	2,629.32	1,108.86	3,738.18	.....	.....	.....	.....	2,682.42	2,736.07	1,002.11
Dixmoor.....	17,047.41	18,844.54	35,891.95	.....	.....	.....	11,437.50	.....	11,437.50	24,454.45
Dixon.....	136,346.52	119,861.52	256,208.04	82,535.65	.....	1—6,229.45	5,314.05	6,229.45	5,314.05	250,893.99
Delton.....	78,351.64	114,844.06	193,195.70	.....	.....	10,195.64	.....	.....	92,731.29	100,464.41
Dongola.....	15,007.70	4,637.63	19,645.33	.....	.....	190.00	.....	3,591.51	3,781.51	15,863.82
Donnellson.....	2,982.66	1,788.90	4,771.56	.....	.....	.....	.....	2,593.24	2,593.24	2,178.32
Donovan.....	6,737.83	1,960.44	8,698.27	.....	.....	.....	.....	.....	.....	8,698.27
Dorchester.....	66.58	986.34	1,052.92	.....	.....	.....	.....	681.58	681.58	371.34
Dover.....	6,564.36	1,047.61	7,611.97	7,439.88	.....	172.09	.....	.....	7,611.97	.....
Dowell.....	10,249.22	2,775.21	13,024.43	.....	.....	.....	.....	4,364.31	4,364.31	8,660.12
Downers Grove.....	137,793.13	129,596.24	267,389.37	42,726.80	.....	.....	52,625.00	35,443.00	130,794.80	136,594.57
Downs.....	.....	4,006.61	4,006.61	3,477.99	.....	528.62	.....	.....	4,006.61	.....
DuBois.....	1,872.27	1,402.94	3,275.21	.....	.....	93.41	.....	2,097.70	2,235.83	1,039.38
Dunfermline.....	88.33	1,739.89	1,828.22	.....	.....	62.26	.....	1,023.47	1,085.73	742.49
Dunlap.....	8,469.17	3,455.27	11,924.44	.....	.....	111.66	.....	2,233.25	2,344.91	9,579.53
Dupo.....	24,083.83	17,993.01	42,076.84	.....	.....	739.88	.....	13,081.55	14,103.50	27,973.34
DuQuoin.....	.....	40,176.43	40,176.43	18,152.77	.....	10,385.23	.....	11,638.43	40,176.43	.....
Durand.....	2,437.34	4,882.69	7,320.03	.....	.....	.....	.....	.....	.....	7,320.03
Dwight.....	1,947.32	18,905.82	20,853.14	.....	.....	.....	.....	.....	.....	20,853.14
Eagarville.....	52.80	912.30	965.60	.....	.....	.....	.....	.....	.....	965.60
Earlville.....	11,195.63	8,699.37	19,895.00	.....	.....	.....	.....	.....	.....	19,895.00
East Alton.....	54,106.14	46,743.84	100,849.98	.....	.....	1,611.93	.....	49,131.28	51,758.07	49,091.91
East Brooklyn.....	1,185.21	416.59	1,601.80	.....	.....	.....	.....	18.34	18.34	1,583.46
East Carondelet.....	7,138.96	2,836.49	9,975.45	.....	.....	58.92	.....	180.55	239.47	9,735.98
East Chicago Heights.....	74,737.36	26,312.56	101,049.92	53,228.98	.....	5,933.68	.....	25,670.70	84,833.36	16,216.56
East Dubuque.....	31,090.08	12,887.84	43,977.92	30,613.35	.....	3,851.81	.....	175.00	34,640.16	9,337.76
East Dundee.....	.....	13,606.57	13,606.57	8.47	.....	1,406.57	3,023.34	4,275.15	8,773.53	4,833.04
East Galesburg.....	2,320.61	4,043.37	6,363.98	.....	.....	483.02	.....	3,964.53	4,447.55	1,916.43
East Gillespie.....	490.16	1,274.28	1,764.44	.....	.....	.....	.....	1,308.90	1,308.90	455.54
East Hazelcrest.....	6,870.33	8,926.05	15,796.38	.....	.....	.....	.....	.....	.....	15,796.38
East Moline.....	131,117.69	102,505.66	233,623.35	54,164.38	.....	2,810.78	34,843.52	.....	91,818.68	141,804.67
Easton.....	6,811.58	2,211.61	9,023.19	.....	.....	.....	.....	599.03	599.03	8,424.16
East Peoria.....	109,729.27	79,709.61	189,438.88	.....	.....	9,048.66	23,183.87	18,898.80	51,131.33	138,307.55
East St. Louis.....	268,674.70	500,594.13	769,268.83	198,703.01	.....	95,107.95	.....	265,980.32	559,791.28	209,477.55
Eddyville.....	1,836.42	765.81	2,602.23	.....	.....	.....	.....	541.28	541.28	2,060.95
Edgewood.....	996.76	3,155.05	4,151.81	.....	.....	.....	.....	3,355.53	3,355.53	3,796.28
Edinburg.....	18,023.54	6,144.72	24,168.26	.....	.....	421.20	.....	8,765.90	9,187.10	14,981.16
Edwardsville.....	205,500.00	61,238.72	266,738.72	.....	.....	.....	.....	.....	.....	266,738.72
Effingham.....	62,968.28	51,317.17	114,285.45	16,242.70	.....	771.91	.....	12,508.60	29,523.21	84,762.24

LOCAL ROADS AND STREETS

Eileen.....	2,745.83	2,352.50	5,098.33	398.63	1,405.63	3,322.45	3,721.08	1,377.25
Elburn.....	20,147.15	5,881.27	26,028.42	322.91	.....	1-322.91	1,405.63	24,622.79
El Dara.....	548.94	600.39	1,149.33	.....	.....	517.54	517.54	631.79
Eldorado.....	16,530.36	21,889.37	38,419.73	1,536.44	.....	23,378.66	24,915.10	13,504.63
Eldred.....	3,608.83	1,850.16	5,458.99	.....	.....	1,988.75	1,988.75	3,470.24
Elgin.....	182,276.63	302,928.32	485,204.95	11,311.61	12,199.54	116,956.44	251,356.23	233,848.72
Elizabeth.....	.....	4,466.11	4,466.11	58.37	.....	.....	58.37	4,407.74
Elizabethtown.....	23,666.78	3,210.19	26,876.97	.....	.....	1,193.95	1,193.95	25,683.02
Elk Grove Village.....	90,769.33	70,903.40	161,672.73	6,254.61	.....	20,100.85	136,806.11	24,866.62
Elkhart.....	6,092.71	2,560.80	8,653.51	321.90	.....	6,010.54	6,332.44	2,321.07
Elkville.....	13,474.04	4,551.86	18,025.90	.....	.....	4,874.93	4,874.93	13,150.97
Elliott.....	6,007.51	2,101.33	8,108.84	501.28	.....	4,647.38	5,148.66	2,960.18
Ellis Grove.....	6,859.99	1,335.53	8,195.52	.....	.....	1,590.13	1,622.58	6,572.94
Ellisville.....	67.20	1,857.69	924.89	51.26	.....	766.80	834.42	90.47
Ellsworth.....	3,301.58	1,372.29	4,673.87	.....	.....	.....	.....	4,673.87
Elmhurst.....	273,969.20	247,068.50	521,037.70	1,716.03	.....	71,362.46	82,980.13	438,057.57
Elmwood.....	10,566.88	11,529.74	22,096.62	198.84	.....	1,124.89	1,323.73	20,772.89
Elmwood Park.....	.....	146,210.83	146,210.83	1,103.00	88,040.04	36,779.64	124,503.03	21,707.80
El Paso.....	.....	12,032.10	22,952.32	301.87	5,421.24	.....	8,741.81	14,210.51
Elsah.....	10,920.22	3,106.03	10,889.00	1-15.73	.....	45.68	29.95	10,859.05
Elvaston.....	7,782.97	1,421.31	1,735.09	.....	.....	.....	.....	1,735.09
Elwood.....	5,456.00	4,570.22	10,026.22	81.40	.....	222.93	304.33	9,721.89
Emden.....	2,835.04	3,075.42	5,910.46	50.61	.....	1,687.00	1,737.61	4,172.85
Emmington.....	3,037.59	814.82	3,852.41	.....	.....	.....	.....	3,852.41
Energy.....	1,346.39	3,106.03	4,452.42	140.00	.....	2,776.96	2,916.96	1,535.46
Enfield.....	15,974.08	4,845.93	20,820.01	.....	.....	10,379.19	10,588.87	10,231.14
Equality.....	5,243.10	4,074.02	9,317.12	.....	.....	4,286.58	4,286.58	5,030.54
Erie.....	6,334.29	7,443.49	13,777.78	.....	.....	.....	.....	13,777.78
Essex.....	2,446.85	2,009.45	4,456.30	1-23.67	.....	31.96	3,875.79	580.51
Eureka.....	31,676.06	15,548.60	47,224.66	361.99	.....	7,138.01	24,166.00	23,058.66
Evanston.....	1,224,886.58	485,713.31	1,710,599.89	35,152.57	.....	78,326.60	531,982.98	1,178,616.91
Evansville.....	46,000.04	5,078.73	51,078.77	3,600.00	113,521.20	.....	42,465.11	8,613.66
Evergreen Park.....	.....	154,897.95	154,897.95	.....	.....	811.16	113,521.20	41,376.75
Ewing.....	1,454.29	1,531.57	2,985.86	.....	.....	.....	811.16	2,174.70
Exeter.....	1,640.61	1,471.72	2,112.33	.....	.....	.....	.....	2,112.33
Fairbury.....	.....	17,993.01	17,993.01	1-58.17	.....	58.17	17,993.01	.....
Fairfield.....	32,369.12	38,975.68	71,344.80	2,410.13	.....	22,379.82	62,854.68	8,490.12
Fairmont City.....	25,499.51	16,467.55	41,967.06	155.16	.....	5,566.29	5,721.45	36,245.61
Fairmount.....	5,936.47	4,441.57	10,378.04	.....	.....	5,355.82	5,355.82	5,022.22
Fairview.....	2,198.96	3,332.72	5,531.68	243.60	.....	5,145.00	5,442.49	89.19
Farina.....	317.73	4,239.42	4,557.15	.....	.....	3,980.30	3,980.30	576.85
Farmer City.....	7,724.62	11,260.18	18,984.80	864.15	.....	5,688.43	6,552.58	12,432.22
Farmersville.....	183.74	3,032.54	3,216.28	.....	.....	3,103.14	3,103.14	113.14
Farmington.....	12,131.21	17,343.62	29,474.83	925.25	12,833.04	12,816.14	26,574.43	2,900.40
Fayetteville.....	1,448.49	1,801.14	3,249.63	.....	.....	1,757.65	1,757.65	1,491.98
Ferris.....	.....	1,274.28	1,274.28	.....	.....	840.27	840.27	434.01
Fidelity.....	351.15	765.80	1,116.95	.....	.....	.....	.....	1,116.95
Fieldon.....	849.62	1,464.19	2,313.81	.....	.....	108.26	108.26	2,205.55
Fillmore.....	1,832.20	2,205.47	4,037.67	.....	.....	3,767.63	3,842.99	194.68
Findlay.....	658.84	4,649.87	5,308.71	164.63	.....	4,243.20	4,407.83	900.88
Fisher.....	3,766.95	7,075.92	10,842.87	.....	.....	8,065.75	8,146.41	2,696.46
Fithian.....	872.54	3,032.54	3,905.08	.....	.....	630.65	630.65	3,274.43
Flanagan.....	2,208.86	5,152.25	7,361.11	.....	5,140.00	.....	5,083.93	2,277.18
Flat Rock.....	3,106.35	3,044.76	6,151.11	102.31	.....	457.15	559.46	5,591.65

LOCAL ROADS AND STREETS

TABLE 63.—Continued.

Municipality	Balance Available Jan. 1, 1964	Allotted During 1964	Total Available During 1964	Disbursed for					Total Disbursed During 1964	Balance on Hand Dec. 31, 1964
				Construction	Right-of-way	Engineering	Municipal In-debtedness	Maintenance		
Flora.....	39,938.66	32,659.41	72,598.07			445.99	14,262.50	8,793.67	23,502.16	49,095.91
Florence.....	41.25	606.51	647.76							647.76
Flossmoor.....	28,917.89	28,328.12	57,246.01	42,719.86		3,049.37			45,769.23	11,476.78
Foosland.....	1,086.26	918.96	2,005.22					1,793.90	1,793.90	211.32
Forest City.....	954.55	1,525.45	2,480.00							2,480.00
Forest Park.....	56,330.85	88,537.65	144,868.50	49,405.93		5,431.05		20,921.50	75,758.48	69,110.02
Forest View.....	2,147.96	6,383.63	8,531.59	3,600.00		724.62		7,521.75	3,000.00	5,531.59
Forrest.....	17,821.81	7,474.12	25,295.96			93.94			8,246.37	17,049.59
Forreston.....		7,063.66	7,063.66	1,663.15					1,757.09	5,306.57
Forsyth.....	468.74	2,597.57	3,066.31					773.10	773.10	2,293.21
Fox Lake.....	23,277.78	22,667.41	45,945.19					19,603.34	19,603.34	26,341.85
Fox River Grove.....	16,247.25	11,431.71	27,678.96					8,542.08	16,006.83	11,672.13
Frankfort.....	11,853.70	6,953.38	18,807.08			1,030.33		6,783.75	7,617.72	11,189.36
Franklin.....	7,047.31	3,063.14	10,110.45			833.97		6,296.89	6,758.54	3,351.91
Franklin Grove.....	13,930.76	4,735.64	18,666.40			329.13		2,053.62	2,308.59	16,357.81
Franklin Park.....	107,756.24	112,246.50	220,002.74			254.97	100,000.00		100,000.00	120,002.74
Freeburg.....	23,703.72	11,689.03	35,395.75			2,332.97		9,792.20	12,125.17	23,270.58
Freemanspur.....	1,784.37	2,487.29	4,271.66					190.17	190.17	4,081.49
Freeport.....	87,600.97	163,131.74	250,732.71	90,852.86				25,656.26	116,509.12	134,223.59
Fulton.....	24,332.21	20,749.85	45,082.06							45,082.06
Fults.....	836.07	551.37	1,387.44							1,387.44
Galatia.....	2,500.15	5,084.85	7,585.00			344.23		5,632.16	5,976.39	1,608.61
Galena.....	58,905.95	27,017.07	86,013.02					18,036.48	18,036.48	67,976.54
Galesburg.....	74,310.79	228,162.67	302,473.46	105,079.12		3,366.24	2,303.31	16,241.92	126,990.59	175,482.87
Galva.....	30,363.77	18,746.54	49,110.31			2,029.60	5,969.61	17,988.62	25,987.86	23,122.45
Gardner.....	12,839.48	6,377.51	19,216.99			3,113.72	6,886.28		10,000.00	9,216.99
Garrett.....	1,056.40	1,525.45	2,581.85							2,581.85
Garveys.....	2,118.30	1,611.25	3,729.55					2,924.84	2,924.84	804.71
Geneseo.....		31,666.99	31,666.99	29,319.32		2,347.67			31,666.99	
Geneva.....	51,731.14	46,841.86	98,573.00	72,604.51		9,218.09	4,211.22		86,033.82	12,539.18
Genoa.....	20,051.80	14,274.34	34,326.14			927.54	12,971.76	11,273.51	25,172.81	9,153.33
Georgetown.....	7,388.47	21,711.68	29,100.15	9,871.16		1,530.23		9,296.36	20,697.75	8,402.40
Germanantown.....	18,923.33	6,022.17	24,945.50		500.00	7,490.66			7,990.66	16,954.84
German Valley.....	3,379.93	1,372.29	4,752.22							4,752.22
Gibson.....	29,917.56	21,154.20	51,071.76			837.52	9,565.00	10,155.13	20,537.65	30,514.11
Gifford.....	583.21	3,730.93	4,314.14					3,547.80	3,547.80	766.34
Gilberts.....	2,638.44	1,458.07	4,096.51			2.54		1 2.54		4,096.51
Gillespie.....	22,620.85	21,864.85	44,485.70	44,334.18		1 326.28		477.80	44,485.70	
Gilman.....	6,064.09	10,439.25	16,503.34			850.20		9,594.67	10,444.87	6,058.47
Girard.....	4,807.85	10,623.04	15,430.89			664.75		5,828.90	6,493.65	8,937.24
Gladstone.....	4,053.49	2,180.98	6,234.47			195.23		5,619.00	6,114.23	2,120.24
Glasford.....	4,629.82	6,199.84	10,829.66			421.84	3,225.00	4,264.06	7,910.90	2,918.76

LOCAL ROADS AND STREETS

Glasgow	1,663.64	1,016.96	2,680.60				1,798.22	1,798.22	882.38
Glen Carbon	10,403.88	7,602.78	18,006.66				7,459.50	7,791.61	10,215.05
Glencoe	73,391.14	64,154.88	137,546.02				25,742.47	72,433.15	65,112.87
Glen Ellyn	15,542.78	97,849.65	113,392.43				45,848.39	56,379.83	57,012.60
Glendale Heights	7,601.53	21,093.12	28,694.65				2,243.46	2,597.22	26,097.43
Glenview	386,392.78	137,009.10	523,401.88					217,843.81	305,558.07
Glenwood	10,609.41	10,699.12	21,308.53				7,587.00	8,193.96	13,114.57
Godley	2,708.02	594.26	3,302.28						3,302.28
Goleonda	10,232.19	5,293.14	15,525.33				2,849.99	9,454.05	6,071.28
Golden	3,139.58	3,008.01	6,147.59						6,147.59
Golden Gate	2,046.91	955.70	3,002.61						806.09
Golf	6,023.61	2,505.66	8,529.27				2,196.52	2,196.52	3,196.00
Goodfield	1,429.55	1,752.13	3,242.68				5,110.84	5,333.27	2,732.21
Good Hope	1,164.48	2,413.77	3,578.25					510.47	3,578.25
Goreville	4,209.81	3,828.96	8,038.77						3,568.82
Gorham	1,405.87	2,315.75	3,721.62						1,971.57
Grafton	16,595.99	6,640.93	23,236.92						21,663.18
Grand Ridge	6,044.67	4,037.26	10,081.93						5,341.42
Grand Tower	4,090.10	5,188.99	9,279.09						5,608.60
Grandview	8,878.22	13,563.68	22,441.90						22,441.90
Granite City	179,130.46	245,500.18	424,630.64				72,705.89	318,938.18	105,692.46
Grantfork	2,781.46	820.93	3,602.39						3,602.39
Grant Park	6,396.26	4,637.64	11,033.90						7,017.07
Granville	2,099.75	6,420.39	8,520.14				168.59	4,016.83	4,073.61
Grays Lake	11,368.31	23,047.21	34,415.52				2,409.30	4,446.53	3,138.08
Grayville	18,318.42	13,968.01	32,286.43				31,272.64	31,277.44	24,925.30
Greenfield	12,904.79	6,518.41	19,423.20				6,743.69	7,361.13	19,423.20
Green Oaks	2,282.77	2,340.26	4,623.03						1,623.13
Green Rock	12,497.45	16,400.16	28,897.61				2,989.27	2,999.90	23,547.61
Greenup	1,365.65	9,048.61	10,414.26				2,435.46	7,675.96	2,738.30
Green Valley	377.93	3,381.73	3,759.66						3,759.66
Greenview	5,601.24	4,876.55	10,477.79						497.79
Greenville	19,912.27	27,991.18	47,903.45				8,500.00	9,980.00	23,063.22
Gridley	384.46	5,446.30	5,830.76				14,012.73	24,840.23	1,196.06
Griggsville	2,450.09	7,596.65	10,046.74				2,580.68	4,634.70	1,063.07
Gulf Port	2,922.93	1,311.02	4,233.95				6,925.13	8,983.67	4,233.95
Gurnee	35,418.94	11,217.30	46,636.24						46,438.49
Hainesville	1,438.46	808.67	2,247.13				199.43	197.75	1,014.63
Hamburg	2,332.60	1,617.34	3,949.94				1,232.50	1,232.50	2,750.64
Hamel	4,971.38	2,217.72	7,189.10				1,090.74	1,199.30	7,189.10
Hamilton	616.53	13,649.46	14,265.99						820.80
Hamlettsburg	2,002.59	655.55	2,658.14				12,085.73	13,445.19	2,177.89
Hammond	1,054.28	2,885.49	3,939.77				480.25	480.25	985.24
Hampshire	9,620.56	8,019.35	17,639.91				2,954.53	2,954.53	11,495.46
Hampton	8,423.44	4,690.11	13,113.55				5,593.63	6,144.45	9,807.61
Hanaford	1,653.67	1,770.49	3,424.16				3,028.16	3,305.94	1,114.08
Hanna City	2,758.32	6,469.39	9,227.71				2,242.80	2,310.08	1,779.42
Hanover	568.02	8,552.37	9,120.39				6,971.39	7,448.29	6,102.80
Hanover Park	20,471.77	22,747.02	43,218.79				1,274.85	3,017.59	25,529.20
Hardin	1,963.76	6,371.37	8,335.13				7,472.70	17,689.59	5,020.13
Harmon	2,114.51	1,311.03	3,425.54					3,315.00	255.13
Harrisburg	27,180.89	56,184.52	83,365.41				1,714.50	3,170.41	68,558.71
Harford	28,996.15	14,427.50	43,423.65				12,626.72	14,806.70	12,281.72
Hartsburg	1,334.91	1,837.90	3,172.81				4,301.57	31,141.93	3,172.81
Harvard	25,643.52	26,024.62	51,668.14				7,605.70	51,668.14	

LOCAL ROADS AND STREETS

TABLE 63.—(Continued.)

Municipality	Balance Available Jan. 1, 1964	Allotted During 1964	Total Available During 1964	Disbursed for						Total Disbur.ed During 1964	Balance on Hand Dec. 31, 1964
				Construction	Right-of-way	Engineering	Municipal In-debtedness	Maintenance	Treasurers' Fees and Miscellaneous		
Harvel.....	976.84	1,745.99	2,722.83	77,952.83		7,757.05		457.05		457.05	2,265.78
Harvey.....	40,868.16	178,098.34	218,966.50	1,519.65				14,363.20		100,073.08	118,893.42
Harwood Heights.....		42,608.58	42,608.58				5,046.33			6,565.98	36,042.60
Havana.....	78,528.92	26,729.15	105,258.07			270.40	19,450.00	5,752.94		25,473.34	79,784.73
Hawthorn Woods.....	2,357.42	1,739.88	4,097.30								4,097.30
Hazel Crest.....		48,814.54	48,814.54	1—1,947.64		1,747.64	46,298.04	2,716.50		48,814.54	
Hebron.....	9,176.25	4,294.55	13,470.80	1—230.33		1,146.97		1,340.96		2,257.60	11,213.20
Hecker.....	2,013.32	1,917.54	3,930.86					1,620.39		1,620.39	2,310.47
Henderson.....	612.74	1,298.80	1,911.54							1,911.54	1,911.54
Hennepin.....	7,544.66	2,395.40	9,940.06	6,083.45						6,083.45	3,856.61
Henning.....	269.47	13,955.77	13,955.77	2,656.14		1,965.00		1,514.10		1,514.10	415.59
Henry.....	712.96	2,695.57	3,408.53			79.80		5,059.77		9,680.91	4,274.86
Herrick.....	6,734.70	58,040.79	64,775.49			672.00	28,892.28	1,995.00		2,074.80	1,333.73
Herrin.....	4,963.06	4,031.11	8,994.17			352.74		17,724.23		47,288.51	17,486.98
Herscher.....	1,525.33	1,549.96	3,075.29	4,760.75				3,031.18		8,144.67	849.50
Hettick.....	10,919.59	7,327.09	18,246.68					2,020.76		2,020.76	1,054.53
Heyworth.....	19,375.35	16,583.96	35,959.31	14,858.79		3,050.00				17,908.79	18,246.68
Hickory Hills.....		771.92	1,333.15					774.61		774.61	18,050.52
Hidalgo.....	55,347.41	30,282.42	85,629.83	17,980.25		7,093.94		16,172.57		41,246.76	558.54
Highland.....	290,362.56	156,417.29	446,779.85	112,193.44		6,826.37	91,581.64			210,601.45	44,383.07
Highland Park.....	73,583.21	27,562.32	101,145.53	52,702.54		5,987.83	15,114.90			73,805.27	236,178.40
Highwood.....	1,981.25	3,111.77	5,093.02			223.14					27,340.26
Hillcrest.....	31,332.20	25,926.80	57,258.80					10,833.14		11,056.28	5,093.02
Hillsboro.....	199.86	3,001.90	3,201.76				1,768.13			46,202.52	46,202.52
Hillsdale.....	70,526.77	52,102.11	122,628.88			100.00				1,433.63	122,628.88
Hillside.....	2,373.91	1,868.53	4,242.44					3,555.85		3,655.85	586.59
Hillview.....	11,113.66	5,758.75	16,872.41				5,123.40			5,123.40	11,749.01
Hinckley.....	321.27	2,303.50	2,624.77					2,124.30		2,124.30	500.47
Hindsboro.....	80,658.50	82,092.75	162,751.25	87,659.85		7,089.80				94,749.65	68,001.60
Hinsdale.....	8,181.20	6,898.23	15,079.43	2,495.98		442.30		3,210.00	245.93	6,394.21	8,685.22
Hodgkins.....	1,908.38	1,439.68	3,408.06								3,408.06
Hoffman.....		77,007.89	77,007.89	9,380.80		777.04		21,974.45		32,132.29	44,875.60
Hoffman Estates.....	1,427.80	588.13	2,015.93			240.96		1,698.89		1,939.85	44,875.60
Hollowayville.....	17,966.84	7,817.20	25,784.04	20,000.00				4,060.15	240.60	24,300.75	76.08
Homer.....	44,841.69	45,818.77	90,660.46	24,346.31				22,959.44		50,159.67	1,483.29
Homewood.....	90,612.85	92,899.57	183,512.42	153,613.54		2,853.92	1—2,081.93	27,500.00		183,512.42	40,500.79
Hoopeston.....	35,871.40	40,470.49	76,341.89	59,652.80		4,900.00		4,958.73		69,511.53	
Hooppole.....	3,243.32	1,390.69	4,634.01								6,830.36
Hopedale.....	1,531.06	4,515.09	6,046.15				4,498.96			4,498.96	4,634.01
Hoylton.....	2,022.72	2,909.99	4,932.71			300.00		4,332.34		4,632.34	1,547.19
Hudson.....	565.89	3,020.28	3,586.17			378.31		2,871.52		3,249.83	300.37
											336.34

LOCAL ROADS AND STREETS

Huey.....	641.94	1,298.80	1,940.74				1,271.41	19.08	1,290.49	650.25
Hull.....	7,219.34	3,277.60	10,496.94				315.40	6.31	321.71	10,175.23
Humboldt.....	284.33	2,095.21	2,379.54				250.00	5.00	255.00	2,124.54
Hume.....	3,718.88	2,750.73	6,469.61				2,444.93		5,564.53	2,905.08
Huntley.....	7,219.58	7,002.40	14,221.98						1,961.38	12,260.60
Hurst.....	246.02	5,287.01	5,533.03				3,869.86		4,343.81	1,189.22
Hutsonville.....	535.71	3,571.66	4,107.37				1,343.96		2,660.30	1,447.07
Illio polis.....	8,639.66	6,095.69	14,735.35				9,622.21	100.54	10,154.87	4,580.48
Ina.....	83.72	2,033.95	2,117.67				1,830.20	36.59	1,866.79	250.88
Indian Creek.....	3,259.61	1,464.19	4,723.80				4,030.18		4,473.50	250.30
Indian Head Park.....	3,768.15	2,358.63	6,126.78				2,195.00		2,195.00	3,931.78
Indianola.....	1,306.05	1,807.25	3,113.30				1-5.70		3,113.30	3,113.30
Industry.....	2,580.90	3,148.92	5,729.82				5,371.25		13,482.30	13,482.30
Inverness.....	6,559.55	6,922.75	13,482.30						1,331.88	1,331.88
Iola.....	382.31	949.57	1,331.88						8,077.42	8,077.42
Ipava.....	4,260.71	3,816.71	8,077.42				2,551.11		2,863.61	76.80
Iroquois.....	1,525.22	1,415.19	2,940.41				2,451.79	37.34	2,489.13	2,252.14
Irving.....	1,249.26	3,492.01	4,741.27							3,945.27
Irvington.....	1,574.39	2,370.88	3,945.27							2,916.36
Irwin.....	2,352.73	563.63	2,916.36							12,702.73
Island Lake.....	12,431.76	10,041.03	22,472.79				4,712.64		9,770.06	20,076.20
Itasca.....	2,424.98	23,389.79	25,814.77				4,477.04		5,738.57	2,221.60
Iuka.....	733.68	2,315.75	3,049.43				2,827.83		2,827.83	6,381.14
Ivesdale.....	4,175.68	2,205.46	6,381.14				26,786.30	1-754.01	31,291.38	301,136.68
Jacksonville.....	199,548.10	132,879.96	332,428.06				747.89		747.89	1,712.65
Jeffersonville.....	438.86	2,021.68	2,460.54				979.40		979.40	1,196.39
Jeisyville.....	1,140.45	1,035.34	2,175.79						1,000.00	59,607.36
Jerome.....	50,400.90	10,206.46	60,607.36				38,761.49		38,761.49	26,790.42
Jerseyville.....	20,094.60	45,457.31	65,551.91				1,046.42	20.52	1,046.42	601.18
Jewett.....	189.54	1,458.06	1,647.60				586.95		586.95	219.46
Johnsonville.....	218.28	588.13	806.41				8,299.60		20,377.34	3,460.16
Johnston City.....		23,837.50	23,837.50				61,024.32		278,427.38	156,498.72
Joliet.....		434,926.10	434,926.10				1,245.03		1,270.13	38,682.67
Jonesboro.....	29,930.12	10,022.68	39,952.80				5,908.90	118.18	6,027.08	7,222.04
Joppa.....	9,708.10	3,541.02	13,249.12				312.55		312.55	2,768.99
Joy.....		3,081.54	3,081.54				1,133.79		1,133.79	1,137.39
Junction.....	813.14	1,458.04	2,271.18				1,929.98		1,929.98	54.78
Junction City.....	54.96	1,929.80	1,984.76				18,101.32		19,458.92	89,102.62
Justice.....	91,389.45	17,172.09	108,561.54				3,140.00		3,240.00	6,347.53
Kampsville.....	3,572.32	2,775.21	6,347.53							519.26
Kane.....	886.01	2,873.25	3,759.26							2,460.50
Kangley.....	824.77	1,635.73	2,460.50							36,214.76
Kankakee.....	123,582.40	169,490.88	293,073.28				15,842.47		256,858.52	2,762.52
Kansas.....	4,353.54	4,992.95	9,346.49				3,007.97		6,583.97	1,709.22
Kappa.....	980.20	729.02	1,709.22				6,057.00		9,102.80	9,684.70
Karnak.....	14,701.24	4,086.26	18,787.50				614.80		614.80	894.00
Kaskaskia.....	914.56	594.24	1,508.80				512.99		512.99	1,086.30
Keenes.....	900.87	698.42	1,598.29				3,298.95	66.00	3,364.95	1,203.79
Keensburg.....	1,957.51	1,611.23	3,568.74							12,089.05
Keithsburg.....	6,189.40	5,899.65	12,089.05							633.77
Kell.....	1,882.19	1,188.52	3,070.71				1,270.51		2,436.94	2,729.41
Kempton.....	3,833.94	1,543.83	5,377.77				2,332.30		2,648.36	2,729.41
Kenilworth.....	35,817.47	18,127.79	53,945.26				4,729.55		9,591.23	44,354.03
Kenney.....	433.01	2,450.52	2,883.53				2,399.30		2,399.30	484.23

LOCAL ROADS AND STREETS

TABLE 63.- Continued.

Municipality	Balance Available Jan. 1, 1964	Allotted During 1964	Total Available During 1964	Disbursed for						Total Disbursed During 1964	Balance on Hand Dec. 31, 1964
				Construction	Right-of-way	Engineering	Municipal indebtedness	Maintenance	Treasurers ² Fees and Miscellaneous		
Kewanee	4,013.20	100,006.10	104,019.30	20,742.61		7,179.09	28,226.43	16,007.47		72,155.60	31,863.70
Keyport	2,202.00	2,524.04	4,726.04					1,109.64	22.19	1,131.83	3,594.21
Kilbourne	2,830.23	2,156.45	4,986.68			141.40		3,088.77		3,230.17	1,756.51
Kildeer	2,665.12	2,300.91	4,966.03								4,966.03
Kincaid	7,644.42	9,459.08	17,103.50								7,854.92
Kinderhook	3,416.76	1,690.88	5,107.64			356.51		8,892.07		9,248.58	
Kingston	6,356.58	2,487.29	8,843.87					1,251.75	25.04	1,276.79	3,830.85
Kingston Mines	1,248.77	2,297.37	3,546.14			367.86		4,256.73		4,624.59	4,219.28
Kimmunity	353.87	4,980.69	5,334.56			42.05		1,567.26		1,609.31	1,936.83
Kinsman	1,095.45	820.93	1,916.38					2,559.61		2,559.61	2,774.95
Kirkland	5,461.05	5,685.23	11,146.28			332.41		275.60		275.60	1,640.78
Kirkwood	8,986.58	4,723.38	13,709.96			434.50		3,571.58		3,903.99	7,242.29
Knoxville	9,106.00	15,683.39	24,789.39			972.92		10,862.33		11,296.83	2,413.13
Lacon	36,556.01	13,324.75	49,880.76	5,215.00		368.45	10,634.76	5,396.14		13,780.79	11,008.60
Ladd	4,225.86	7,688.54	11,914.40			783.42		10,406.19		21,614.35	28,266.41
LaFayette	184.31	1,647.97	1,832.28							11,189.61	724.79
LaGrange	141,006.35	100,018.35	241,024.70	1—81.00		81.00		40,275.29		40,275.29	1,832.28
LaGrange Park	42,063.47	94,529.17	136,592.64	1—12,882.18		436.88	39,440.00	12,344.89		39,339.59	200,749.41
LaHarpe	329.88	8,098.99	8,428.87			401.96		6,258.99		6,660.95	97,253.05
Lake Barrington	2,649.73	1,053.73	3,703.46								1,767.92
Lake Bluff	83,722.27	25,408.78	109,131.05	29,632.46		1,844.87				31,477.33	3,703.46
Lake Forest	46,874.34	65,472.02	112,346.36			2,993.14		22,938.96		25,932.10	77,653.72
Lake in the Hills	17,380.72	12,534.47	29,915.19			237.86		4,755.21		4,993.07	86,414.26
Lakemoor		4,508.98	4,508.98	3,430.49		166.49		912.00		4,508.98	24,922.12
Lake Villa	5,131.49	5,532.07	10,663.56								10,663.56
Lakewood	4,167.08	3,890.23	8,057.31			352.65		2,842.63		3,195.28	4,862.03
Lake Zurich	29,375.77	21,184.82	50,560.59			1,012.38	870.23	9,793.11		11,675.72	38,884.87
LaMoille	1,375.96	4,012.76	5,388.72								5,388.72
Lanark	5,847.99	9,024.08	14,872.07			8,000.00				8,000.00	6,872.07
Lansing		118,642.38	118,642.38	67,794.05		5,946.45	44,901.88			118,642.38	
LaPrairie	172.12	704.52	876.64								473.86
LaRose	4,486.59	1,176.25	5,672.84	1—40.17		193.11		402.78		402.78	
LaSalle		72,884.89	72,884.89	54,039.10		3,286.01		2,177.75		2,330.69	3,342.15
Latham	690.96	2,383.16	3,074.12					15,559.78		72,884.89	
Lawrenceville	11,337.62	37,591.13	48,928.75	28,629.44		1,218.94		4,567.62		34,416.00	3,074.12
Leaf River		3,344.97	3,344.97	90.22						90.22	14,512.75
Lebanon	4,686.39	17,539.66	22,226.05				10,983.06	6,000.00		16,983.06	3,254.75
Lee	1,856.81	1,396.80	3,253.61			79.42		1,241.18		1,320.60	5,242.99
Leesville	3,345.00	3,345.00									1,933.01
Leland	4,113.40										8,046.49
Leland Grove	36,265.65	10,604.66	46,870.31			528.00		5,276.00		5,804.00	41,066.31
Lemont	54,024.21	22,533.61	76,557.82	23,618.34		4,182.14				27,800.48	48,757.34

LOCAL ROADS AND STREETS

Lena.....	24,446.00	9,508.07	33,954.07	26,042.84	.....	2,618.48	.....	.....	28,661.32	5,292.75
Lenzburg.....	3,549.70	2,573.05	6,122.75	.....	.....	.....	.....	2,418.05	2,418.05	3,704.70
Leonore.....	233.20	1,194.64	1,427.84	.....	.....	18.87	.....	236.28	255.15	1,172.69
Lerna.....	1,849.83	1,813.40	3,663.23	.....	.....	.....	.....	3,401.96	.....	193.23
LeRoy.....	9,601.13	12,791.76	22,392.89	1-8,804.94	.....	772.25	.....	8,032.69	3,470.00	22,392.89
Lewistown.....	.....	15,946.83	15,946.83	.....	.....	.....	8,326.21	7,620.62	15,946.83	.....
Lexington.....	4,166.38	7,621.17	11,787.55	.....	.....	573.88	.....	6,426.12	7,000.00	4,787.55
Liberty, Adams.....	6,473.24	2,082.94	8,556.18	6,461.05	.....	1,900.00	.....	.....	8,361.05	195.13
Liberty, White.....	81.96	722.91	8,804.87	.....	.....	.....	.....	741.90	741.90	62.97
Libertyville.....	19,064.04	52,441.33	71,505.37	1-7.09	11,000.00	7.09	.....	16,110.43	27,110.43	44,394.94
Lilly Lake.....	129.71	1-129.71	.....	.....	.....	.....	.....	.....	.....	.....
Lima.....	1,366.63	980.21	2,346.84	.....	.....	.....	.....	1,316.06	1,342.38	1,004.46
Lincoln.....	67,499.40	103,473.59	170,972.99	107,144.05	3,133.59	2,702.90	.....	30,815.76	143,796.30	27,176.69
Lincolnshire.....	5,550.59	6,120.19	11,670.78	.....	.....	213.28	.....	480.00	693.28	10,977.50
Lincolnwood.....	186,106.02	71,947.55	258,053.57	82,027.57	.....	.....	.....	.....	82,027.57	176,026.00
Lindenhurst.....	17,874.36	10,861.97	28,736.33	.....	.....	694.52	.....	15,721.42	16,415.94	12,320.39
Lisbon.....	405.39	1,433.55	1,838.94	.....	.....	.....	.....	.....	.....	1,838.94
Lisle.....	2,112.72	25,846.95	27,959.67	2,339.01	.....	1-84.74	.....	2,528.89	4,783.16	23,176.51
Litchfield.....	54,067.50	44,905.95	98,973.45	.....	.....	2,708.52	11,448.76	8,744.99	22,902.27	76,071.18
Littleton.....	1,353.12	1,078.24	2,431.36	.....	.....	.....	.....	2,300.00	2,300.00	131.36
Little York.....	2,067.12	2,015.55	4,082.67	.....	.....	216.69	.....	3,583.31	3,800.00	282.67
Liverpool.....	151.69	1,127.26	1,278.95	.....	.....	.....	.....	5,033.80	5,033.80	1,278.95
Livingston.....	3,701.52	5,905.77	9,607.29	.....	.....	.....	.....	2,187.72	2,187.72	4,573.49
Loami.....	1,749.84	2,756.85	4,506.69	.....	.....	.....	.....	30,292.53	40,956.97	2,318.97
Lockport.....	63,732.35	46,315.01	110,047.36	4,744.13	.....	2,112.31	3,808.00	.....	.....	69,090.39
Loda.....	3,561.04	3,583.89	7,144.93	.....	.....	.....	.....	.....	.....	7,144.93
Lomax.....	219.26	3,277.59	3,496.85	.....	.....	.....	.....	3,268.44	3,431.86	64.99
Lombard.....	.....	154,971.47	154,971.47	77,478.41	.....	163.42	.....	11,302.62	93,646.38	55,325.09
London Mills.....	6,472.82	3,779.94	10,252.76	.....	.....	5,422.51	5,442.84	7,276.88	7,604.34	2,648.42
Long Grove.....	750.85	4,747.90	5,498.75	.....	.....	327.46	.....	3,737.60	4,148.74	1,350.01
Long Point.....	4,800.24	1,880.77	6,681.01	.....	.....	411.14	.....	3,594.09	4,567.17	2,113.84
Long View.....	787.47	1,654.11	2,441.58	.....	.....	973.08	.....	.....	.....	2,441.58
Loraine.....	550.86	1,856.27	2,407.13	.....	.....	.....	.....	51.49	52.52	2,354.61
Lostant.....	4,489.87	2,818.11	7,307.98	.....	.....	396.25	.....	3,291.29	3,687.54	3,620.44
Louisville.....	1,846.75	5,550.46	7,397.21	.....	.....	586.44	.....	5,582.44	6,168.88	1,228.33
Loves Park.....	19,331.83	55,663.78	75,045.61	26,318.09	.....	4,675.72	.....	10,326.57	30,993.81	44,051.80
Lovington.....	16,550.40	7,351.60	23,902.00	.....	.....	.....	.....	506.05	10,533.10	13,368.90
Ludlow.....	755.24	2,818.11	3,573.35	.....	.....	.....	.....	.....	516.17	3,057.18
Lyndon.....	7,476.34	4,147.54	11,623.88	10,014.65	.....	1,481.14	.....	912.14	11,495.79	128.09
Lynnville.....	811.78	594.25	1,406.03	.....	.....	.....	.....	.....	912.14	493.89
Lyons.....	.....	60,871.15	60,871.15	20,427.78	.....	1,238.47	17,812.13	.....	39,478.38	21,392.77
Macedonia.....	470.30	588.13	1,058.43	.....	.....	.....	.....	1,013.50	1,013.50	44.93
Mackinaw.....	16,836.18	7,124.92	23,961.10	.....	.....	105.69	.....	1,083.70	1,189.39	22,771.71
Macomb.....	99,821.53	74,342.95	174,164.48	.....	.....	534.47	42,834.97	15,270.65	58,640.09	115,524.39
Macon.....	2,552.85	7,529.25	10,082.10	.....	.....	.....	.....	7,969.98	7,969.98	2,112.12
Madison.....	67,356.75	42,032.71	109,389.46	1-3,947.69	.....	10,713.61	17,496.00	73,628.49	97,890.41	11,499.05
Maeystown.....	2,931.04	967.95	3,898.99	.....	.....	120.10	.....	2,193.17	2,313.27	1,585.72
Magnolia.....	6,266.97	1,500.96	7,767.93	.....	.....	.....	.....	.....	.....	7,767.93
Mahomet.....	10,914.25	8,374.69	19,288.94	.....	.....	.....	.....	13,136.57	13,136.57	6,152.37
Makanda.....	3,072.75	1,044.73	4,077.48	.....	.....	.....	.....	897.05	897.05	3,180.43
Malden.....	4,428.99	1,580.59	6,009.58	.....	.....	19.63	.....	397.42	417.05	5,592.53
Malta.....	36.67	4,790.77	4,827.44	.....	.....	273.63	.....	2,725.82	2,999.45	1,827.99
Manchester.....	3,123.02	1,727.62	4,850.64	.....	.....	.....	.....	3,931.87	3,931.87	3,918.77

LOCAL ROADS AND STREETS

TABLE 63.—Continued.

Municipality	Balance Available Jan. 1, 1964	Allotted During 1964	Total Available During 1964	Disbursed for					Total Disbursed During 1964	Balance on Hand Dec. 31, 1964
				Construction	Right-of-way	Engineering	Municipal indebtedness	Maintenance		
Manhattan.....	17,574.13	6,843.09	24,417.22	.....	.....	73.24	9,108.27	1—73.24	9,108.27	15,308.95
Mamito.....	14,261.51	6,696.05	20,957.56	.....	.....	400.00	.....	11,833.30	12,233.30	8,724.26
Manlius.....	4,885.11	2,291.22	7,176.33	.....	.....	363.81	.....	6,507.68	6,871.49	304.84
Mansfield.....	1,849.98	4,551.85	6,401.83	.....	.....	294.80	.....	5,453.26	5,748.06	653.77
Manteno.....	.....	14,234.08	14,234.08	2,786.82	.....	637.90	.....	3,562.33	6,987.05	7,247.03
Maple Park.....	3,530.70	3,626.80	7,157.50	673.80	.....	95.43	.....	.....	769.23	6,388.27
Mapleton.....	2,037.36	1,893.05	3,930.41	.....	.....	189.11	.....	2,580.09	2,769.20	1,161.21
Maquon.....	8,328.64	2,364.76	10,693.40	.....	.....	.....	4,917.85	24,258.48	32,044.55	10,693.40
Marengo.....	17,084.85	21,858.72	38,943.57	.....	.....	2,868.22	.....	122.70	122.70	6,899.02
Marietta.....	196.20	1,231.38	1,427.58	.....	.....	.....	.....	3,827.17	3,949.08	1,304.88
Marine.....	691.25	4,980.70	5,671.95	.....	.....	121.91	.....	.....	.....	1,722.87
Marion.....	67,260.48	69,068.18	136,328.66	.....	.....	.....	5,840.00	5,582.30	11,422.30	136,328.66
Marissa.....	8,133.06	10,549.53	18,682.59	.....	.....	.....	.....	1,938.51	2,408.83	7,260.29
Mark.....	1,791.00	2,726.21	4,517.21	100.04	.....	370.28	.....	.....	.....	2,108.38
Markham.....	88,748.34	77,828.96	166,577.30	29,994.31	.....	12,745.92	9,500.00	23,580.21	75,820.44	90,756.86
Maroa.....	6,618.04	7,565.99	14,184.03	.....	.....	705.49	4,740.00	8,014.19	13,459.68	724.35
Marquette Heights.....	21,582.64	15,419.96	37,002.60	.....	.....	1—443.21	.....	5,665.05	5,221.84	31,780.76
Marselles.....	11,973.16	26,631.14	38,604.30	6,239.05	.....	1,230.27	.....	4,816.95	12,286.27	26,318.03
Marshall.....	9,849.38	20,633.07	29,882.45	.....	.....	.....	.....	13,018.49	13,018.49	16,863.96
Martinsville.....	3,373.89	8,276.67	11,650.56	.....	.....	.....	.....	10,929.16	10,929.16	721.40
Martinton.....	1,280.77	1,923.67	3,204.44	.....	.....	.....	.....	.....	.....	3,204.44
Maryville.....	6,128.58	4,135.27	10,263.85	.....	.....	.....	.....	.....	.....	10,263.85
Mascoutah.....	12,815.24	22,207.92	35,023.16	.....	.....	500.00	.....	16,775.62	17,275.62	17,747.54
Mason.....	486.57	2,033.95	2,520.52	.....	.....	.....	.....	1,900.00	1,900.00	620.52
Mason City.....	15,858.51	13,232.86	29,091.37	.....	.....	1—750.00	22,405.63	2,548.00	24,203.63	4,887.74
Mathersville.....	6,459.96	3,749.30	10,209.26	.....	.....	666.74	.....	8,799.52	9,655.58	553.68
Matteson.....	3,257.93	19,757.40	23,015.33	3,075.80	.....	291.20	.....	.....	3,367.00	19,648.33
Mattoon.....	148,220.99	116,939.27	265,160.26	90,345.81	15,000.00	11,262.58	.....	30,181.71	146,790.10	118,370.16
Maunie.....	2,479.70	2,223.86	4,703.56	.....	.....	.....	.....	4,283.46	4,454.80	248.76
Maywood.....	445,624.46	167,432.42	613,056.88	475,997.11	.....	37,687.91	.....	.....	513,685.02	99,371.86
Mazon.....	2,792.74	4,184.28	6,977.02	4,122.19	.....	461.70	.....	2,393.13	6,977.02	.....
McCook.....	15,776.47	2,701.71	18,478.18	.....	.....	.....	.....	.....	.....	18,478.18
McCullom Lake.....	9,965.05	4,649.87	14,614.92	.....	.....	.....	.....	.....	.....	14,614.92
McHenry.....	3,575.87	20,437.41	24,013.28	.....	.....	363.38	20,392.44	2,129.19	20,392.44	3,620.84
McLean.....	8,136.14	4,643.74	12,779.88	1—,01	.....	429.03	.....	9,502.96	2,492.57	10,287.31
McLeansboro.....	26,673.91	18,078.78	44,752.69	1—,000.85	.....	55.44	.....	1,108.82	9,931.98	34,820.71
McNabb.....	339.32	1,078.24	1,417.56	.....	.....	.....	.....	2,221.00	563.41	854.15
Mechanicsburg.....	6,524.60	2,622.07	9,146.67	.....	.....	147.40	.....	2,717.60	2,368.40	6,778.27
Media.....	2,411.23	1,010.83	3,422.06	.....	.....	151.02	.....	.....	2,868.62	553.44
Medora.....	1,024.65	2,738.46	3,763.11	.....	.....	.....	.....	.....	.....	3,763.11
Melrose Park.....	146,087.66	136,561.88	282,649.54	38.40	.....	2.69	48,025.10	39,060.00	87,126.19	195,523.35
Melvin.....	4,232.95	3,424.62	7,657.57	.....	.....	561.74	.....	4,387.99	4,949.73	2,707.84

LOCAL ROADS AND STREETS

Mendon.....	13, 049.72	4, 803.04	17, 852.76	6, 570.90	45, 788.50	188, 746.21	12, 208.22	8, 699.30	13, 323.28	139.85	3, 041.46	3, 183.35	14, 669.41
Mendota.....		37, 701.41	37, 701.41			19, 835.06	460, 301.03	1, 206.90	5, 975.00		9, 548.78	27, 232.33	10, 469.08
Menominee.....	3, 152.56	1, 170.12	4, 322.68				36, 954.09						4, 322.68
Merodisia.....	1, 941.41	6, 334.59	8, 276.00				21, 751.60				3, 549.25	3, 726.71	
Merionette Park.....	8, 528.88	14, 421.36	22, 950.24				218, 310.25				16, 661.50	22, 950.24	4, 549.29
Metamora.....	4, 858.06	11, 076.39	15, 934.45	6, 000.00			24, 723.29					6, 000.00	
Metelf.....	46, 546.73	1, 703.11	2, 249.84				56, 518.98				300.26		9, 934.45
Metropolis.....	2, 115.80	44, 961.08	91, 076.88				20, 959.58				16, 187.73		1, 949.58
Mettawa.....	2, 207.74	747.40	2, 955.14				7, 055.53						23, 368.67
Middletown.....	2, 597.83	3, 326.60	5, 924.43				120, 205.74						2, 955.14
Midlothian.....	108, 372.71	53, 599.21	161, 971.92				120, 205.74						5, 924.43
Milan.....	25, 466.48	21, 145.95	46, 612.43				56, 518.98				1, 655.10	64, 807.67	97, 164.25
Milford.....	13, 726.10	10, 408.62	24, 134.72				24, 723.29				549.45	561.66	46, 050.77
Mill Creek.....	2, 421.93	624.88	3, 046.81				56, 518.98				8, 009.22	12, 243.88	11, 890.84
Milledgeville.....	8, 964.48	7, 400.61	16, 365.09				12, 208.22						3, 046.81
Millington.....	2, 077.88	1, 893.05	3, 970.93				460, 301.03				1, 746.41		16, 365.09
Mill Shoals.....	2, 273.68	1, 972.67	2, 246.35				36, 954.09				1, 617.16		2, 224.52
Millstadt.....	9, 263.79	11, 211.17	20, 474.96				21, 751.60				10, 149.91		629.19
Milton.....	2, 895.79	1, 893.04	4, 788.83				218, 310.25				2, 619.86		10, 325.05
Mineral.....	1, 793.91	2, 021.68	3, 815.59				24, 723.29						2, 168.97
Minier.....	5, 382.24	5, 183.99	10, 571.23				56, 518.98				2, 030.00		3, 815.59
Minook.....	10, 053.02	12, 258.79	22, 311.81				24, 723.29				7, 785.03		8, 252.33
Minooka.....	3, 843.34	3, 302.10	7, 145.44				24, 723.29				8, 139.24		14, 172.57
Modesto.....	2, 462.11	1, 396.80	3, 858.91				5, 834.75				685.63		6, 459.81
Mokena.....	4, 047.97	8, 160.25	12, 208.22				21, 000.00				3, 115.00		588.16
Moline.....	193, 017.05	267, 283.98	460, 301.03		45, 788.50		56, 518.98						12, 208.22
Momence.....	18, 887.56	18, 066.53	36, 954.09				24, 723.29				230, 050.58		230, 250.45
Monroe.....	17, 794.01	3, 957.59	21, 751.60				24, 723.29				27, 016.96		9, 937.13
Monmouth.....	154, 768.02	63, 542.23	218, 310.25				24, 723.29				18, 728.06		3, 023.54
Monsanto.....	22, 738.34	1, 984.95	24, 723.29				56, 518.98				61, 750.31		156, 559.94
Montgomery.....	43, 518.92	13, 000.06	56, 518.98				20, 959.58				21, 000.00		3, 723.29
Monticello.....	1, 238.93	19, 720.65	20, 959.58				7, 055.53				7, 237.94		49, 281.04
Montrose.....	5, 095.09	1, 960.44	7, 055.53				120, 205.74				11, 000.00		9, 959.58
Morris.....	71, 593.36	48, 612.38	120, 205.74				56, 165.19				2, 153.56		4, 901.97
Morrison.....	30, 685.80	25, 479.39	56, 165.19				12, 417.28				81, 060.14		39, 145.60
Morrisonville.....	5, 500.68	6, 916.60	12, 417.28				41, 525.78				15, 675.00		40, 490.19
Morton.....	2, 085.85	39, 439.93	41, 525.78				355, 584.24				5, 134.49		7, 068.16
Morton Grove.....	201, 482.71	154, 101.53	355, 584.24		26, 914.44		23, 044.84				9, 835.00		41, 525.78
Mound City.....	12, 819.99	10, 224.85	23, 044.84				42, 779.32				6, 312.00		221, 817.07
Mound Station.....	1, 536.54	1, 249.76	2, 786.30				9, 522.31				2, 184.20		16, 732.84
Mounds.....	31, 537.52	11, 241.80	42, 779.32				161, 089.63				1, 261.91		602.10
Mount Clare.....	7, 561.87	1, 960.44	9, 522.31				161, 089.63				1, 762.08		41, 517.41
Mount Prospect.....	11, 183.40	149, 901.23	161, 089.63				17, 626.60				161, 089.63		7, 760.23
Moweaqua.....	7, 738.72	9, 887.88	17, 626.60				5, 044.08				7, 970.09		9, 656.51
Mt. Auburn.....	1, 968.66	3, 075.42	5, 044.08				82, 145.68				2, 449.50		2, 491.88
Mt. Carmel.....	29, 496.05	52, 649.63	82, 145.68				13, 838.15				22, 703.78		58, 095.39
Mt. Carroll.....	1, 242.42	12, 595.73	13, 838.15				1, 145.13				10, 054.59		1, 411.56
Mt. Erie.....	324.20	820.93	1, 145.13				39, 154.45				782.15		362.98
Mt. Morris.....	20, 316.01	18, 838.44	39, 154.45				28, 043.29				21, 213.30		17, 941.15
Mt. Olive.....	13, 983.37	14, 059.92	28, 043.29				24, 480.79				5, 026.09		23, 017.20
Mt. Pulaski.....	14, 133.43	10, 347.36	24, 480.79				48, 540.22				8, 581.67		15, 899.12
Mt. Sterling.....	34, 682.47	13, 857.75	48, 540.22				98, 776.63				10, 127.02		38, 413.20
Mt. Vernon.....	3, 414.28	95, 362.35	98, 776.63				6, 671.40				39, 858.85		
Mt. Zion.....	1, 004.55	5, 666.85	6, 671.40								5, 180.52		1, 490.88

LOCAL ROADS AND STREETS

TABLE 63.—Continued.

Municipality	Balance Available Jan. 1, 1964	Allotted During 1964	Total Available During 1964	Disbursed for						Total Disbursed During 1964	Balance on Hand Dec. 31, 1964
				Construction	Right-of-way	Engineering	Municipal Indebtedness	Maintenance	Treasurers' Fees and Miscellaneous		
Muddy.....	521.24	582.01	1,103.25					473.13		473.13	630.12
Mulberry Grove.....	3,783.69	4,564.13	8,347.82					5,457.93		5,457.93	2,889.89
Muncie.....	789.87	1,194.65	1,984.52					1,705.74		1,705.74	278.78
Mundelein.....	9,868.66	86,573.53	96,442.19	45,932.28		5,230.00		20,351.52		71,513.80	24,928.39
Murphysboro.....	107,710.97	53,133.60	160,844.57			556.82		4,571.72		5,128.54	155,716.03
Murrayville.....	6,511.00	2,707.82	9,218.82								9,218.82
Naperville.....	17,434.63	98,578.67	116,013.30	16,348.55		681.80				17,030.35	98,982.95
Naplate.....		4,521.22	4,521.22	2,193.18						2,193.18	2,328.04
Naples.....	361.40	563.63	925.03					500.00		500.00	425.03
Nashville.....	16,405.30	15,965.21	32,370.51	13,302.06		230.81		9,137.64		22,670.51	9,700.00
Nason.....	14.99	1,151.77	1,166.76					1,106.94		1,106.94	59.82
National City.....	8,136.46	716.81	8,853.27								8,853.27
Nauvoo.....	1,321.62	6,365.26	7,686.88			402.51		6,420.43		6,822.94	863.94
Nebo.....	4,165.58	2,701.71	6,867.29			175.92		2,996.66		3,172.58	3,694.71
Nelson.....	4,142.14	1,733.74	5,875.88	2,586.30		19.20		480.00		3,085.50	2,790.38
Neoga.....	3,067.06	7,014.63	10,081.69	1—124.50		269.50		4,970.27		5,115.27	4,966.42
Neponset.....	1,835.18	3,032.53	4,867.71	1—56.12		194.80		2,994.63		3,133.31	1,734.40
Newark.....	3,002.75	2,995.76	5,998.51								5,998.51
New Athens.....	20,872.78	11,780.92	32,653.70	1—101.18		952.12		23,087.12		23,938.06	8,715.64
New Baden.....	19,508.68	8,968.93	28,477.61			203.45		1,713.99		1,917.44	26,560.17
New Bedford.....		1,016.94	1,016.94			486.68				486.68	530.26
New Berlin.....	5,126.53	3,841.21	8,967.74					6,438.04		6,796.10	2,171.64
New Boston.....	7,851.80	4,447.72	12,299.52			358.06		1,488.99		1,518.61	10,780.91
New Burnside.....	2,008.78	1,390.69	3,399.47			29.62		1,769.75	36.12	1,805.87	1,593.60
New Canton.....	4,651.21	2,750.72	7,401.93			58.10		668.80		726.90	6,675.03
New Douglas.....	297.32	2,248.37	2,545.69				850.00	974.68		1,824.68	721.01
New Grand Chain.....	885.50	1,727.62	2,613.12					2,163.96		2,163.96	449.16
New Haven.....	6,952.22	3,933.09	10,885.31	201.31		369.77		4,221.74		4,792.82	6,092.49
New Holland.....	1,833.93	1,923.66	3,757.59					223.39		223.39	3,534.20
New Lenox.....	10,099.17	11,301.70	21,360.87			628.92		9,850.65		10,479.57	10,881.30
Newman.....	6,572.63	6,720.57	13,293.20					807.50		807.50	12,485.70
New Minden.....	1,538.35	1,016.95	2,555.30					1,065.52		1,065.52	1,489.78
New Salem.....	1,59.76	1,053.73	2,653.49					1,536.82		1,536.82	1,116.67
Newton.....	8,067.52	17,772.46	25,839.98	13,734.96		1,070.70		5,713.77		20,519.43	5,320.55
Niantic.....	1,279.71	3,853.46	5,133.17					4,062.43		4,062.43	1,070.74
Niles.....	324,822.40	153,605.30	478,427.70	215,742.40		15,488.00	57,993.71	6,835.73		296,059.84	182,367.86
Nilwood.....	1,081.26	4,662.14	2,759.88	1,999.00				1,607.20		1,607.20	1,152.68
Noble.....	3,209.06	1,668.79	7,871.20			378.99		1,492.48		3,870.47	4,000.73
Nokomis.....	17,341.54	15,168.79	32,510.33			374.22		4,570.72		4,944.94	27,565.39
Nora.....	1,782.02	1,402.94	3,184.96					1,439.42		1,439.42	1,745.54
Normal.....	62,614.77	107,363.82	169,978.59	155,299.92		10,507.26		4,171.41		169,978.59	
Norridge.....	66,016.38	86,301.52	152,317.90	125,428.92		6,638.70				132,067.62	20,250.28
Norris.....	219.62	1,880.77	2,100.39			87.04		1,612.96		1,700.00	400.39

LOCAL ROADS AND STREETS

Norris City.....	4, 076.23	7, 615.01	11, 691.24	.....	762.17	.....	8, 678.96	.....	9, 441.13	2, 250.11
North Aurora.....	28, 539.80	21, 123.55	49, 663.35	.....	2, 578.24	.....	20, 793.80	.....	39, 187.99	10, 475.36
North Barrington.....	6, 145.82	5, 274.76	11, 420.58	.....	.....	.....	.....	.....	11, 420.58	11, 420.58
North Chicago.....	110, 462.17	316, 908.59	427, 370.76	.....	.....	.....	.....	.....	341, 980.62	85, 390.14
North Chillicothe.....	15, 521.04	13, 839.39	29, 360.43	.....	213, 312.63	.....	5, 785.00	.....	11, 670.23	17, 690.20
North City.....	5, 877.82	2, 217.72	8, 095.54	.....	.....	.....	.....	.....	4, 592.37	3, 411.32
Northlake.....	82, 403.77	80, 323.26	162, 727.03	.....	1—35.32	.....	32, 388.32	.....	35, 418.82	127, 308.21
North Pekin.....	21, 894.42	12, 405.81	34, 300.23	.....	.....	.....	.....	.....	2, 200.00	32, 100.23
North Riverside.....	22, 789.34	51, 467.26	74, 256.60	.....	46, 891.36	.....	.....	.....	52, 133.99	22, 122.61
North Utica.....	6, 131.91	6, 212.08	12, 343.99	.....	.....	.....	.....	.....	5, 558.29	6, 785.70
Northbrook.....	103, 422.88	75, 371.23	178, 794.11	.....	3, 382.58	.....	29, 997.50	.....	37, 562.76	141, 231.35
Northfield.....	93, 415.25	24, 535.93	117, 951.18	.....	24, 209.80	.....	.....	.....	25, 928.00	92, 023.18
North Henderson.....	527.82	1, 286.53	1, 814.35	.....	.....	.....	.....	.....	1, 814.35	1, 814.35
Norwood.....	5, 617.69	3, 835.07	9, 452.76	.....	361.44	.....	.....	.....	3, 610.26	5, 842.50
Oak Brook.....	.....	10, 071.69	10, 071.69	.....	.....	.....	.....	.....	.....	10, 071.69
Oakbrook Terrace.....	14, 156.41	6, 867.61	21, 024.02	.....	.....	.....	.....	.....	.....	21, 024.02
Oakford.....	4, 239.71	1, 844.03	6, 083.74	.....	189.58	.....	.....	.....	4, 484.84	1, 598.90
Oak Forest.....	5, 851.43	39, 192.75	45, 044.18	.....	.....	.....	25, 000.00	.....	25, 000.00	20, 044.18
Oak Grove.....	4, 898.72	876.07	5, 774.79	.....	323.19	.....	.....	.....	5, 709.69	65.10
Oak Grove Park.....	936.02	1, 451.94	2, 387.96	.....	.....	.....	.....	.....	.....	2, 387.96
Oakland.....	5, 614.09	5, 752.64	11, 366.73	.....	.....	.....	.....	.....	11, 366.73	.....
Oak Lawn.....	220, 202.88	218, 685.81	438, 888.69	.....	2, 500.00	.....	.....	.....	48, 101.32	390, 787.37
Oak Park.....	79, 959.94	374, 275.48	454, 235.42	.....	3, 637.57	.....	.....	.....	323, 194.64	131, 040.78
Oakwood.....	1, 079.30	5, 274.77	6, 354.07	.....	741.49	.....	.....	.....	5, 344.19	1, 009.88
Oakwood Hills.....	3, 449.16	1, 304.91	4, 754.07	.....	.....	.....	.....	.....	.....	4, 754.07
Oblong.....	6, 409.13	11, 131.54	17, 540.67	.....	.....	.....	.....	.....	11, 540.83	5, 999.84
Oconee.....	191.08	1, 574.46	1, 765.54	.....	2, 534.02	.....	.....	.....	.....	1, 765.54
Odell.....	5, 026.13	5, 734.23	10, 760.36	.....	1—2, 046.53	.....	2, 650.00	.....	9, 185.81	1, 574.55
Odin.....	208.58	7, 608.89	7, 817.47	.....	.....	.....	.....	.....	6, 556.89	1, 260.58
O'Fallon.....	15, 883.63	28, 824.36	44, 707.99	.....	322.12	.....	.....	.....	7, 425.97	37, 282.02
Ogden.....	7, 065.89	3, 155.04	10, 220.93	.....	.....	.....	.....	.....	4, 879.69	5, 341.24
Oglesby.....	11, 529.31	25, 822.44	37, 351.75	.....	.....	.....	.....	.....	3, 979.67	33, 972.08
Ohio.....	2, 811.95	2, 995.76	5, 807.71	.....	1, 842.56	.....	641.85	.....	641.85	5, 165.86
Ohlman.....	1, 209.98	1, 317.16	2, 527.14	.....	.....	.....	.....	.....	1, 307.82	1, 219.32
Okawville.....	3, 008.84	5, 703.62	8, 712.46	.....	67.66	.....	.....	.....	1, 498.52	7, 213.94
Old Marissa.....	937.92	1, 329.40	2, 267.32	.....	.....	.....	.....	.....	.....	2, 267.32
Old Mill Creek.....	2, 078.36	912.81	2, 991.17	.....	.....	.....	.....	.....	.....	2, 991.17
Old Ripley.....	1, 547.41	918.95	2, 466.36	.....	.....	.....	.....	.....	828.69	1, 637.67
Old Shawneetown.....	2, 577.31	2, 652.71	5, 230.02	.....	.....	.....	.....	.....	2, 840.57	2, 389.45
Olmsed.....	2, 411.84	2, 909.99	5, 321.83	.....	.....	.....	.....	.....	4, 016.86	1, 304.97
Olney.....	28, 381.70	53, 789.12	82, 170.82	.....	7, 112.55	.....	14, 424.10	.....	75, 499.52	6, 671.30
Olympia Fields.....	5, 752.90	13, 012.34	18, 765.24	.....	369.74	.....	.....	.....	7, 501.64	10, 863.60
Omaha.....	2, 928.99	1, 911.42	4, 840.41	.....	167.85	.....	.....	.....	3, 397.83	1, 442.58
Onarga.....	.....	8, 558.47	8, 558.47	.....	.....	.....	.....	.....	3, 921.59	4, 636.88
Oneida.....	11, 141.20	4, 116.90	15, 258.10	.....	.....	.....	.....	.....	6, 363.13	8, 894.97
Oquawka.....	16, 063.87	6, 677.69	22, 741.56	.....	300.20	.....	.....	.....	20, 302.25	2, 439.31
Orangeville.....	6, 221.00	3, 008.01	9, 229.01	.....	618.02	.....	.....	.....	.....	9, 229.01
Oreana.....	596.69	2, 842.61	3, 439.30	.....	.....	.....	.....	.....	123.75	3, 315.55
Oregon.....	5, 600.22	22, 863.45	28, 463.67	.....	26, 377.25	.....	.....	.....	26, 377.25	2, 086.42
Orient.....	2, 242.61	3, 602.27	5, 844.88	.....	85.07	.....	.....	.....	741.72	5, 103.16
Orion.....	15, 273.75	7, 774.32	23, 048.07	.....	2, 505.03	.....	.....	.....	9, 338.04	13, 710.03
Orland Park.....	677.18	18, 938.01	19, 615.19	.....	1, 134.25	.....	.....	.....	19, 615.19	.....
Oswego.....	13, 777.47	9, 250.75	23, 028.22	.....	.....	.....	.....	.....	.....	23, 028.22
Ottawa.....	37, 527.51	118, 899.69	156, 427.20	.....	17, 172.17	.....	39, 759.99	.....	149, 652.06	6, 775.14
Otterville.....	576.14	857.70	1, 433.84	.....	.....	.....	.....	.....	.....	1, 433.84

TABLE 63.—Continued.

Municipality	Balance Available Jan. 1, 1964	Allotted During 1964	Total Available During 1964	Disbursed for					Treasurers' Fees and Miscellaneous	Total Disbursed During 1964	Balance on Hand Dec. 31, 1964
				Construction	Right-of-way	Engineering	Municipal Indebtedness	Maintenance			
Owaneco.....	3,081.77	1,776.63	4,858.40								4,858.40
Palatine.....	89,396.45	93,052.73	182,449.18	180,097.94		2,729.32		378.03		182,449.18	
Palmette.....	1,717.43	9,581.58	11,299.01	2,588.83		608.07	2,120.00	5,606.73		10,923.63	375.38
Palmer.....	614.65	1,623.48	2,238.13					1,429.24		1,429.24	808.89
Palmira.....	1,382.53	4,968.44	6,350.97								6,350.97
Palos Heights.....	9,638.43	23,126.88	32,765.31	4,085.90		1,009.38		16,425.02		21,520.30	11,245.01
Palos Hills.....	27,013.05	23,071.74	50,084.79			2,800.63		33,520.76		36,321.39	13,763.40
Palos Park.....	58,208.29	13,288.01	71,496.30								71,496.30
Pana.....	49,419.69	39,882.21	89,301.90			4,392.54		4,439.09		8,831.63	80,470.27
Panama.....	212.41	2,983.52	3,195.93					155.01	3.10	158.11	3,037.82
Panola.....	58.52	263.41	321.93								3,321.93
Papineau.....	2,316.76	1,035.35	3,352.11								3,352.11
Paris.....	27,450.04	60,178.87	87,628.91	35,174.47	15,000.00	5,180.69	14,300.00	17,973.75		87,628.91	
Parkersburg.....	2,131.97	1,549.96	3,681.93			118.28		469.24		605.15	3,076.78
Park City.....	18,558.95	9,454.72	28,013.67			853.76		10,705.80	17.63	11,559.56	16,454.11
Park Forest.....	17,886.48	183,746.82	201,633.30	85,950.20		3,110.11		78,927.89		167,988.20	33,645.10
Park Ridge.....	183,961.52	219,154.94	403,116.46	97,370.10		10,750.21	46,025.00			154,145.31	248,971.15
Patoka.....	822.09	3,681.91	4,504.00					4,099.48		4,099.48	404.52
Pawnee.....	10,090.80	9,293.63	19,384.43			335.50		7,561.02		7,896.52	11,487.91
Paw Paw.....	20,588.01	4,441.57	25,029.58			565.67		5,048.24		5,613.91	19,415.67
Paxton.....	24,434.90	26,772.04	51,206.94	1,047.00		2,747.38		12,751.86		16,546.24	34,660.70
Payson.....	3,110.80	3,075.42	6,186.22								6,186.22
Pearl.....	1,496.49	2,131.95	3,628.44								3,628.44
Pearl City.....		2,989.63	2,989.63	481.20		1,942.79		1,204.42	24.09	1,228.51	2,399.93
Pecatonica.....		10,163.56	10,163.56	157.11						2,423.99	565.64
Pekin.....	102,472.50	174,789.68	277,262.18	7,305.01		3,466.69	142,090.89	30,926.55		157.11	10,006.45
Peoria.....	890,728.43	632,003.80	1,522,732.23	33,151.51		41,000.00	116,138.33	90,000.00		183,789.14	93,473.04
Peoria Heights.....	53,071.11	47,626.04	100,697.15	5,386.51		3,830.05	19,181.52	12,141.43		280,289.84	1,242,442.39
Peotone.....	32,734.33	10,953.86	43,688.19	22,716.07		1,606.85		4,791.42		40,539.51	60,157.64
Percy.....	2,114.04	4,962.33	7,076.37							29,114.34	14,573.85
Perry.....	2,263.70	2,707.83	4,971.53			1,134.17		134.17			7,076.37
Peru.....	5,202.89	64,081.36	69,284.25	25,748.30		3,070.86	10,396.80	3,504.64		42,720.60	4,971.53
Pesotum.....	3,835.98	2,867.14	6,703.12					730.00		730.00	26,563.65
Petersburg.....	28,129.47	14,451.98	42,581.45	29,903.79		3,433.26		6,840.73		40,177.78	5,973.12
Phillipstown.....	7,880.25	4,422.72	8,302.97								2,403.67
Philo.....	897.48	4,533.48	5,430.96					4,484.48		4,484.48	8,302.97
Phoenix.....	26,460.79	25,748.93	52,209.72	5,873.06		6,280.05		35,721.18		47,874.29	4,335.43
Pierron.....	3,610.22	2,762.97	6,373.19					1,638.05	32.76	1,670.81	4,702.38
Pineknayville.....	1,459.02	18,899.70	20,358.72					9,695.91		9,695.91	10,662.81
Pingree Grove.....	4,732.07	1,059.85	5,791.92								5,791.92
Piper City.....	15,265.57	4,943.94	20,209.51								20,209.51
Pittsburg.....	3,612.12	2,971.27	6,583.39			285.00		4,799.11	101.68	5,185.79	1,397.60

LOCAL ROADS AND STREETS

Pittsfield.....	31,547.14	25,050.53	56,597.67	12,247.50	2,144.40	14,081.55	28,473.45	28,124.22
Plainfield.....	29,801.99	13,373.76	43,175.75				2,596.31	43,175.75
Plainville.....	4,685.16	1,390.69	6,075.85				5,090.40	3,479.54
Plano.....	64,331.07	23,523.43	87,854.50	556.39			5.57	82,764.10
Pleasant Hill.....	4,642.69	5,820.01	10,462.70				108.01	2,044.27
Pleasant Plains.....	1,238.35	3,173.43	4,411.78					2,768.13
Plymouth.....	1,165.22	4,784.66	4,949.88					276.00
Pocahontas.....	3,924.50	4,398.70	8,323.20					8,323.20
Polo.....	16,548.08	15,628.25	32,176.33	15,222.49			25,917.03	6,256.30
Pontiac.....	87,794.56	61,685.94	149,480.50	45,912.41			62,830.96	86,649.54
Pontoon Beach.....	368.64	4,631.49	5,000.13					5,000.13
Pontoosuc.....	368.62	1,286.53	1,655.15				1,073.46	581.69
Poplar Grove.....	8,076.97	2,818.12	10,895.09				6,551.93	4,343.16
Port Byron.....	27,680.01	7,063.67	34,743.68	22,252.58			28,612.82	6,130.86
Posen.....	29,188.13	27,672.59	56,860.72	15,854.27			25,263.97	31,596.75
Potomac.....	5,570.85	4,049.50	9,620.35				2,111.40	7,508.95
Prairie City.....	524.10	3,755.42	4,279.52				3,534.55	744.97
Prairie du Rocher.....	11,991.35	4,159.78	16,151.13				6,599.81	9,551.32
Princeton.....	50,722.38	38,289.53	89,011.91	60,179.31			63,767.99	25,243.92
Princeton.....		7,847.84	7,847.84	1,917.23			7,162.95	684.89
Prophetstown.....	28,095.90	11,039.65	39,135.55				23,361.24	15,774.31
Pulaski.....	3,781.39	2,542.44	6,323.83				593.77	5,730.06
Quincy.....	240,527.43	275,286.36	515,813.79	1,453.23			113,700.56	402,113.23
Radom.....	2,548.33	839.30	3,387.63				1,158.83	2,228.80
Raleigh.....	1,282.03	1,378.41	2,660.44				1,210.90	1,449.54
Ramsey.....	4,002.06	4,992.94	8,995.00				7,024.42	1,970.58
Rankin.....	3,531.83	4,662.13	8,193.96				1,320.00	6,873.96
Ransom.....	5,934.53	2,542.44	8,476.97					8,476.97
Rantoul.....		135,489.76	135,489.76	101,438.76			131,723.37	3,766.39
Rapids City.....	1,567.23	4,135.27	5,702.50				4,050.00	1,652.50
Raritan.....	2,654.14	1,114.98	3,769.12					3,769.12
Raymond.....	8,211.80	5,336.03	13,547.83				3,864.49	9,683.34
Red Bud.....	2,796.44	11,897.33	14,693.77				1,858.54	12,835.23
Reddick.....	186.78	1,255.91	1,442.69					1,442.69
Redmon.....	381.30	1,072.10	1,453.40				1,195.50	257.90
Reynolds.....	7,103.39	3,026.41	10,129.80				500.00	9,629.80
Richmond.....	3,030.95	5,238.01	8,268.96				2,055.95	5,583.79
Richmont Park.....	5,688.86	5,715.87	11,404.73				3,323.52	7,786.45
Richview.....	2,651.00	1,562.22	4,213.22				2,001.02	2,142.16
Ridge Farm.....	1,739.20	5,476.94	7,216.14				1,316.25	5,873.56
Ridgway.....	2,641.50	6,463.28	9,104.78				2,433.66	1,867.92
Ridott.....	2,991.74	1,353.93	4,345.67					4,345.67
Rio.....	83.17	1,084.33	1,167.50					1,167.50
Ripley.....	24.01	1,023.08	1,047.09				363.66	683.43
Riverdale.....		82,597.40	82,597.40	68,168.90			82,507.40	
River Forest.....	106,954.80	77,773.68	184,728.48	45,737.77			51,106.76	133,621.72
River Grove.....	58,681.73	51,853.21	110,534.94	30,970.00			38,378.60	52,156.34
Riverside.....	92,958.04	59,731.66	152,689.70	1—2,183.46			104,047.40	48,642.30
Riverton.....	20,424.23	9,746.98	30,171.21				3,020.40	27,150.81
Riverwoods.....	1,217.72	6,377.51	7,595.23				6,994.03	601.20
Roanoke.....	4,527.29	11,156.03	15,683.32				7,626.90	8,056.42
Robbins.....	162,652.00	46,014.81	208,666.81	172,179.80			202,964.35	5,702.46
Roberts.....	1,645.74	3,087.65	4,733.39	3,123.06			4,318.16	415.23

LOCAL ROADS AND STREETS

TABLE 63.—Continued.

Municipality	Balance Available Jan. 1, 1964	Allotted During 1964	Total Available During 1964	Disbursed for						Total Disbursed During 1964	Balance on Hand Dec. 31, 1964
				Construction	Right-of-way	Engineering	Municipal Indebtedness	Maintenance	Treasurers' Fees and Miscellaneous		
Robinson.....	3,987.34	44,268.82	48,256.16	1—1,657.02	.....	517.54	21,334.27	13,883.93	.....	34,078.72	14,177.44
Rochelle.....	60,588.99	45,501.84	106,090.83	.....	.....	354.22	.....	6,537.49	.....	6,891.71	99,199.12
Rochester.....	10,881.24	4,545.73	15,426.97	.....	.....	186.00	.....	3,477.93	.....	3,663.93	11,763.04
Rockbridge.....	2,200.35	1,549.96	3,750.31	.....	.....	100.00	.....	2,096.16	.....	2,196.16	1,554.15
Rock City.....	2,647.05	1,237.51	3,884.56	.....	.....	.....	.....	.....	.....	.....	3,884.56
Rockdale.....	8,299.41	7,792.69	16,092.10	.....	.....	576.87	.....	6,089.46	133.44	6,799.77	9,232.33
Rock Falls.....	100,450.77	62,862.20	163,312.97	25,286.10	.....	1 37,628.89	50,000.00	4,493.52	.....	42,150.73	121,162.24
Rockford.....	160,212.79	801,774.07	961,986.86	410,836.45	79,336.09	40,838.01	.....	53,829.91	.....	584,840.46	377,146.40
Rock Island.....	185,771.61	317,729.51	503,501.12	142,091.58	1 28,040.65	10,371.71	225,456.71	86,344.22	.....	436,223.57	67,277.55
Rockton.....	12,135.09	11,229.55	23,424.64	12,286.18	.....	1,389.06	.....	897.74	.....	14,572.98	8,851.66
Rockwood.....	12,335.80	600.39	12,940.19	.....	.....	.....	.....	.....	.....	.....	12,940.19
Rolling Meadows.....	33,888.37	79,542.87	113,431.24	62,034.27	.....	647.13	.....	10,801.37	.....	73,482.77	39,948.47
Romeoville.....	35,136.55	38,951.15	74,087.70	.....	.....	2,234.93	.....	35,328.20	.....	37,563.13	36,524.57
Roodhouse.....	15,758.52	14,409.11	30,167.63	.....	.....	767.40	2,600.18	10,483.91	.....	13,851.49	16,316.14
Rose Hill.....	168.71	716.81	885.52	.....	.....	.....	.....	.....	.....	.....	885.52
Roselle.....	23,948.46	29,571.77	53,520.23	.....	.....	442.01	.....	11,919.42	.....	12,361.43	41,158.80
Rosemont.....	5,521.59	8,073.70	13,595.29	.....	.....	.....	5,412.50	.....	.....	5,412.50	8,182.79
Roseville.....	3,231.08	6,524.54	9,755.62	.....	.....	311.44	.....	6,313.69	.....	6,625.13	3,130.49
Rossville.....	18,296.66	10,414.74	28,711.40	.....	.....	.....	.....	805.09	.....	805.09	27,906.31
Round Lake.....	4,985.14	9,005.70	13,990.84	.....	.....	563.08	.....	9,829.00	.....	9,829.00	4,161.84
Round Lake Beach.....	9,011.73	6,107.95	15,119.68	.....	.....	1,621.50	.....	6,932.32	.....	7,495.40	7,624.28
Round Lake Heights.....	52,222.69	30,699.01	82,921.70	.....	.....	.....	.....	37,774.16	.....	39,395.66	43,526.04
Round Lake Park.....	3,820.31	6,732.84	10,553.15	.....	.....	535.51	.....	4,993.66	.....	5,529.17	5,023.98
Roxana.....	39,525.55	16,282.02	55,807.57	12,653.48	.....	3,597.80	.....	19,275.73	.....	35,527.01	20,280.56
Royal.....	13,525.83	12,804.01	26,329.84	12,808.85	.....	.....	6,435.50	.....	384.89	19,629.24	6,700.60
Royalton.....	1,346.78	1,047.60	2,394.38	.....	.....	.....	.....	.....	.....	.....	2,394.38
Ruma.....	1,175.09	7,504.74	8,679.83	.....	.....	531.20	.....	5,485.88	122.80	6,139.88	2,539.95
Rushville.....	1,127.65	8,845.43	1,973.08	.....	.....	.....	.....	938.79	.....	938.79	1,034.29
Russellville.....	44,661.04	17,270.11	61,931.15	.....	.....	2,249.30	.....	4,098.91	.....	6,348.21	55,582.94
Rutland.....	1,019.01	3,206.89	4,225.90	.....	.....	.....	.....	.....	.....	.....	2,225.90
Sadorus.....	2,702.72	3,118.30	5,821.02	.....	.....	42.20	.....	1,784.40	.....	1,826.60	3,994.42
Sailor Springs.....	2,104.26	2,352.50	4,456.76	.....	.....	.....	.....	963.50	19.27	982.77	3,473.99
Salem.....	833.89	1,145.63	1,979.52	.....	.....	.....	.....	292.10	.....	292.10	1,687.42
Sandwich.....	38,699.39	37,768.77	76,468.16	48,367.06	.....	5,200.00	.....	13,525.75	.....	67,092.81	9,375.35
Sandoval.....	6,589.47	8,307.28	14,896.75	.....	.....	.....	.....	9,090.70	.....	9,090.70	5,806.05
Sandwich.....	17,602.42	23,537.35	41,139.77	8,481.69	.....	3,437.10	6,180.54	.....	.....	18,099.33	23,040.44
San Jose.....	14,913.09	6,696.05	21,609.14	.....	.....	310.21	.....	5,673.03	.....	5,983.24	15,625.90
Sauk Village.....	19,960.05	35,373.40	55,333.45	1,428.66	.....	2,931.20	.....	18,285.98	.....	22,645.84	32,687.61
Sauvemin.....	660.08	2,401.52	3,061.60	.....	.....	40.09	1,015.00	843.30	.....	1,898.39	1,163.21
Savanna.....	39,982.44	31,228.04	71,210.48	.....	.....	1,032.71	11,088.73	23,571.91	.....	35,693.35	35,517.13
Savoy.....	1,852.26	2,076.84	3,929.10	.....	.....	.....	.....	.....	.....	.....	3,929.10
Sawyer ville.....	4,092.92	2,217.72	6,310.64	.....	.....	.....	.....	3,885.29	.....	3,885.29	2,425.35

LOCAL ROADS AND STREETS

Saybrook.....	7,388.43	5,262.51	12,650.94	164.65	1,828.67	1,993.32	10,657.62
Scales Mound.....	3,308.37	2,444.41	5,752.78				5,752.78
Schaumburg.....	37,875.12	20,192.36	58,067.48	1,567.18	10,994.78	19,649.51	38,417.97
Schiller Park.....	78,918.87	49,751.40	128,670.27			30,900.00	97,770.27
Selam City.....	6,469.36	4,276.17	10,745.53				10,745.53
Seneca.....	547.78	735.15	1,282.93	52.31	938.30	990.61	292.32
Sevierville.....	661.23	1,139.52	1,800.75				1,800.75
Seatonville.....	2,395.75	1,439.68	3,835.43				3,332.71
Secor.....	6,992.92	2,223.86	9,216.78				579.17
Seneca.....	854.77	2,615.96	3,470.73	1,217.11	3,502.72	8,637.61	1,252.37
Sesser.....	7,766.95	10,531.15	18,298.10	2,602.00	2,032.50	14,782.90	3,515.20
Shabbona.....	2,013.78	10,806.84	12,820.62	478.81	5,306.50	10,591.11	2,229.51
Shannon.....	9,742.32	4,227.17	13,969.49	270.63		2,529.83	11,439.66
Shawneetown.....	2,976.92	4,692.75	7,669.67				
Shelbyville.....	18,707.67	8,570.73	27,278.40	237.23	1,972.72	7,669.67	
Sheldon.....	4,967.78	6,604.16	11,571.94	431.71	6,367.11	9,059.95	18,218.45
Sheridan.....	32,725.91	29,535.00	62,260.91	1,357.61	16,683.67	6,798.82	4,773.12
Sherard.....	12,426.57	6,965.62	19,392.19	424.95	4,210.35	24,112.78	38,148.13
Shiloh.....	1,709.78	4,312.94	6,022.72			4,635.30	14,756.89
Shipman.....	619.57	1,917.91	2,537.48	658.17	8,433.52	9,091.69	6,022.72
Shorewood.....	8,871.02	3,516.52	12,387.54	230.41	3,042.34	3,272.75	2,537.48
Shumway.....	3,885.67	4,294.53	8,180.20			99.41	3,295.85
Sibley.....		2,554.66	2,554.66				4,907.45
Sidell.....		5,834.60	8,983.67				2,455.25
Sidney.....	3,149.07	1,298.78	3,547.79	503.14			8,983.67
Sigel.....	2,249.01	2,364.76	6,680.33				1,909.42
Silvis.....	4,315.57	3,761.56	5,322.08				1,752.40
Simpson.....	1,560.52	4,202.67	14,765.05				820.44
Sims.....	10,562.38	2,370.88	4,585.81				9,052.24
Skokie.....	2,214.93	24,339.88	26,857.84				4,085.81
Sleepy Hollow.....	2,517.96	545.24	3,472.03				8,857.84
Smithboro.....	2,926.77	2,303.50	4,158.19				3,289.07
Smithfield.....	1,854.69	404,055.32	1,093,219.05	7,893.70	2,599.32	2,599.32	1,558.87
Smithton.....	689,163.73	4,766.28	8,899.60	174.84	28,506.48	586,235.30	506,983.75
Somonauk.....	4,133.32	1,304.92	1,905.26	359.44	3,496.75	3,671.59	5,228.01
Sorento.....	600.34	2,015.55	4,839.63		1,598.67	1,598.67	306.59
South Barrington.....	2,824.08	3,853.46	9,689.31		3,357.00	3,716.44	1,123.19
South Beloit.....	5,835.85	5,507.56	11,156.20		4,325.75	4,325.75	5,363.56
South Chicago.....	5,648.64	4,172.04	4,598.86		5,000.04	5,000.04	6,156.16
South Elgin.....	426.82	1,133.36	2,523.76		3,754.40	3,754.40	844.46
South Holland.....	1,390.40	23,163.64	63,748.53	522.94	821.00	821.00	1,702.76
South Jackson.....	40,584.89					9,101.29	54,647.24
South Pekin.....							
South Wilmington.....	17,346.22	24,768.73	42,114.95	3,551.24	4,744.68	31,944.74	10,170.21
Spartan View.....	1,319.96	16,075.48	17,395.44	1,433.60	1,325.90	15,521.05	1,874.39
Spaulding.....	6,256.50	83,666.34	89,922.84	2,297.72		37,561.06	52,361.78
Spaulding.....	35,951.09	14,335.61	50,286.70	397.37	6,387.31	6,784.68	43,502.02
Spaulding.....	33,665.79	6,169.20	39,834.99	899.54	6,452.24	7,771.13	32,063.86
Spaulding.....	1,748.56	4,472.20	6,220.76		538.78	8,835.12	6,220.76
Spaulding.....	5,437.61	9,097.60	14,535.21	469.06			5,700.09
Spaulding.....	1,189.41	3,271.46	4,460.87				4,460.87
Spaulding.....	15,715.34	21,148.08	36,863.42				20,776.46
Spaulding.....	2,770.45	1,090.50	3,860.95				1,563.47
Spaulding.....	1,266.79	1,084.35	2,351.14	75.00	5,565.71	2,297.48	1,563.47
Spring Bay.....	5,322.37	1,745.99	7,068.36	196.81	1,376.50	1,451.50	899.64
					2,260.81	2,457.62	4,610.74

LOCAL ROADS AND STREETS

TABLE 63.—Continued.

Municipality	Balance Available Jan. 1, 1964	Allotted During 1964	Total Available During 1964	Disbursed for						Total Disbursed During 1964	Balance on Hand Dec. 31, 1964
				Construction	Right-of-way	Engineering	Municipal indebtedness	Maintenance	Treasurers' Fees and Miscellaneous		
Springerton	147.80	1,421.31	1,569.11					1,499.75		1,499.75	69.36
Springfield	427,511.37	513,065.27	940,576.64	110,399.91	18,937.80	9,650.45	8,408.86	185,980.92	8,410.62	324,970.84	615,605.80
Spring Grove	2,927.92	1,844.02	4,771.94	3,092.94		173.07				3,266.01	1,505.93
Spring Valley	1,645.56	32,904.49	34,550.05			1,100.00	10,783.69			11,883.69	22,666.36
St. Anne	18,935.12	8,442.07	27,377.19			245.25		1,875.25		2,120.50	25,256.69
St. Augustine	1,202.56	1,231.38	2,433.94								2,433.94
St. Charles	46,561.58	56,784.89	103,346.47	48,083.57		4,756.94	25,371.85	938.29		77,274.07	26,072.40
St. David	3,549.47	5,280.90	8,830.37			221.55		4,429.16	93.00	4,743.71	4,086.66
St. Elmo	13,473.76	10,090.06	23,563.82								23,563.82
St. Francisville	7,072.64	6,371.37	13,444.01			520.77	2,127.50	3,762.76		6,411.03	7,032.98
St. Jacob	7,169.49	3,240.83	10,410.32			13.87		17.91		14.04	10,396.28
St. Johns	1,342.05	1,262.00	2,604.05					627.51		627.51	1,976.54
St. Joseph	8,203.03	7,412.85	15,615.88					7,410.15		7,410.15	8,205.73
St. Libory	5,394.67	2,119.71	7,514.38								7,514.38
St. Marie	3,293.11	2,125.85	5,418.96	4,000.00				916.38	98.33	5,014.71	404.25
St. Peter	1,875.83	2,432.16	4,307.99	1,618.00				1,310.91		2,928.91	1,379.08
Standard City	1,160.03	1,727.62	2,887.65			161.68		1,742.99	38.09	1,942.76	944.89
Stanford	1,371.11	1,114.99	2,486.10					2,380.99		2,380.99	105.11
Stanford	2,979.79	2,934.50	5,914.29			383.43		3,264.16		3,647.59	2,266.70
Stauton	67,290.38	25,902.10	93,192.48	18,238.20		5,531.34		6,817.20		30,586.74	62,605.74
Steeleville	30,105.36	9,612.19	39,717.55	25,133.55						25,133.55	14,584.00
Steger	80,845.18	36,404.52	120,249.70	38,880.93		4,851.45		14,325.01		58,057.39	62,192.31
Steger	58,397.46	96,109.77	154,507.23	22,279.60		3,833.63	6,521.61	60,412.26		93,047.10	61,460.13
Steward	8,251.93	1,617.34	9,869.27			39.26		344.53		383.79	9,485.48
Stewardson	750.55	4,018.85	4,769.40			139.40		3,675.00		3,814.40	955.00
Stickney	46,967.45	38,222.13	85,189.58								85,189.58
Stillman Valley		3,663.55	3,663.55	3,663.55						3,663.55	
Stockton	3,095.17	11,027.39	14,122.56	8,498.28		644.00				9,142.28	4,980.28
Stonefort	572.51	2,138.09	2,710.60			103.79		1,729.02		1,832.81	877.79
Stone Park	66,138.72	18,611.77	84,750.49								84,750.49
Stonington	18,920.90	6,591.91	25,512.81			381.07		3,284.23		3,665.30	21,847.51
Stoy	3,803.67	1,133.35	4,937.02			111.37		1,741.05		1,852.42	3,084.60
Strasburg	1,110.52	2,860.99	3,971.51			110.25		2,771.63		2,881.88	1,089.63
Strawn	2,582.45	931.20	3,513.65								3,513.65
Streamwood	22,474.82	41,358.83	63,833.65	51,337.45		6,195.63		6,300.57		63,833.65	
Strator	30,267.37	103,338.83	133,606.20	15,967.04		2,883.46	53,916.00	18,310.37		91,076.87	42,529.33
Stronghurst	5,959.72	4,992.95	10,952.67			11.67		1,530.06		1,541.73	9,410.94
Sublette	1,550.98	1,874.66	3,425.64								3,425.64
Sugar Grove	6,294.46	1,997.18	8,291.64			462.00	2,152.00	4,267.54		6,881.54	1,410.10
Sullivan		24,174.48	24,174.48	9,114.48			15,060.00			24,174.48	
Summerfield	6,214.48	2,162.61	8,377.09			437.24		4,099.09		4,536.33	3,840.76
Summit	41,580.33	63,564.47	105,134.80				69,837.50			69,837.50	35,297.30
Sumner	2,886.82	6,340.75	9,227.57			401.01		3,647.78		4,048.79	5,178.78
Sunnyside	4,827.73	1,856.27	6,684.00								6,684.00

LOCAL ROADS AND STREETS

Swansea.....	22,731.58	22,463.12	45,194.70	1,075.85	20,979.44	22,055.29	23,139.41
Sycamore.....	6,395.38	42,645.36	49,040.74	6,692.00	5,394.25	49,040.74	
Symerton.....	1,418.41	753.55	2,171.96				2,171.96
Table Grove.....	3,094.22	3,063.14	6,157.36	318.75	4,990.54	5,309.29	848.07
Tallula.....	552.14	3,351.10	3,903.24	143.21	3,532.33	3,675.54	227.70
Tamaroa.....	3,707.87	4,263.95	7,971.82		511.55	4,785.94	3,185.88
Tamms.....	7,562.25	3,357.22	10,919.47		5,908.49	5,908.49	5,010.98
Tampico.....	11,104.81	4,839.80	15,944.61	312.03	88.68	4,820.31	11,124.30
Taylor Springs.....	4,228.07	3,369.49	7,597.56				7,597.56
Taylorville.....	226,287.61	55,800.15	282,087.76			25,251.64	256,836.12
Tennessee.....	1,341.37	1,262.00	2,603.37	621.73	2,058.78	2,161.72	441.65
Teutopolis.....	6,771.08	6,984.02	13,755.10	102.94	5,076.50	5,076.50	8,678.60
Thawville.....	319.94	1,507.06	1,827.00				1,827.00
Thayer.....	228.96	3,975.97	4,204.93				2,584.07
Thebes.....	7,167.60	2,885.49	10,053.09				5,193.71
Third Lake.....	969.25	1,102.72	2,071.97	58.62			1,149.85
Thomasboro.....	820.14	2,805.87	3,626.01				3,271.61
Thompsonville.....	3,378.61	2,622.07	6,000.68				4,064.78
Thomson.....	12,683.64	3,326.59	16,010.23	2,084.32		1,935.90	2,163.50
Thornton.....	28,869.72	22,465.22	51,334.94	2,449.93		13,846.73	31,029.03
Tilden.....	2,129.36	4,950.08	7,079.44			3,234.56	3,744.88
Tilton.....	45,109.08	15,116.18	61,025.26			4,066.19	56,959.07
Time.....	563.09	275.68	838.77			200.80	637.97
Tinley Park.....	60,871.00	47,846.59	108,717.59	7,117.00		83,577.85	25,139.74
Tiskilwa.....	31,482.95	5,826.14	37,309.09				37,309.09
Toledo.....	2,310.01	6,114.08	8,424.09	152.52		2,483.00	5,941.09
Tolono.....	2,965.61	9,428.42	12,394.03			10,132.58	2,261.45
Toluca.....	9,602.93	8,282.77	17,885.70	1,191.13	5,344.97	12,642.70	5,243.00
Tonica.....		4,594.74	4,594.74	210.18		2,668.25	1,926.49
Topeka.....	364.76	471.72	836.48				836.48
Toulon.....	4,102.36	7,431.24	11,533.60	526.78	6,317.54	6,844.32	4,689.28
Tovey.....	3,944.01	3,957.60	7,951.61	193.74	4,833.32	5,129.65	2,821.96
Towanda.....	9,344.82	3,590.04	12,934.86	914.84	1,134.00	11,197.24	1,737.62
Tower Hill.....	670.44	4,288.44	4,958.88	160.42	3,330.47	4,090.89	867.99
Tremont.....	17,065.35	9,544.82	26,610.17	82.71	6,667.04	6,749.75	19,860.42
Trenton.....	11,878.64	11,431.71	23,310.35	283.03	5,660.50	5,943.53	17,366.82
Troy.....	29,030.39	10,892.62	39,923.01	772.12	5,375.04	6,147.16	33,775.85
Troy Grove.....	4,245.68	1,660.22	5,905.90				5,905.90
Tuscola.....	23,874.69	23,739.49	47,614.18	4,778.62	16,151.60	31,026.10	16,588.08
Ullin.....	635.86	3,534.87	4,170.73	330.42	2,688.97	3,049.59	1,121.14
Union.....	3,732.73	2,940.63	6,733.36	234.23	1,754.00	1,988.23	4,745.13
Union Hill.....	1,622.87	490.10	2,112.97				2,112.97
Urban.....	917.64	330.83	1,248.47				1,248.47
Urbana.....	116,639.94	173,197.31	289,837.25		97,426.48	97,426.48	192,410.77
Ursa.....		241.40	241.40				241.40
Valer.....	375.64	3,975.98	4,351.62	388.12	3,477.91	3,943.35	408.27
Valley City.....	4,019.84	667.78	4,687.62		979.85	979.85	3,707.77
Valley View.....	4,411.11	10,665.92	15,077.33	447.86	8,279.44	8,727.30	6,350.03
Valmeyer.....	9,516.09	4,343.56	13,859.65	1,523.74	2,158.98	10,036.81	3,822.84
Vandalia.....	11,380.16	33,921.45	45,301.61	1,412.49	7,612.87	21,426.36	23,875.25
Varna.....	5,263.88	2,285.13	7,549.01	315.11	5,461.10	5,776.21	1,772.80
Venedy.....		876.08	876.08		93.50	93.50	782.58
Venice.....	60,522.09	32,959.62	93,481.71	1,845.76		29,890.28	63,591.43
Vergennes.....	792.54	1,825.65	2,618.59		635.04	635.04	1,983.55
Vermilion.....	3,430.98	1,942.07	5,373.05		90.00	91.80	5,281.25

TABLE 63.—Continued.

LOCAL ROADS AND STREETS

Municipality	Balance Available Jan. 1, 1964	Allotted During 1964	Total Available During 1964	Disbursed for					Total Disbursed During 1964	Balance on Hand Dec. 31, 1964
				Construction	Right-of-way	Engineering	Municipal Indebtedness	Maintenance		
Vermont.....	441.39	5,532.06	5,976.45					3,007.87	3,037.55	2,938.50
Vernon Hills.....		1,439.68	1,439.68					1,391.01	1,391.01	48.67
Vernon Hills.....	1,194.04	2,262.41	3,461.45			63.92		1,074.20	1,138.12	2,323.33
Vernon Hills.....	2,296.32	1,176.25	3,472.57							3,472.57
Versailles.....	760.52	2,615.95	3,376.47					582.38	582.38	2,794.09
Victoria.....	1,810.78	2,775.21	4,585.99							4,585.99
Vienna.....	17,697.79	6,702.20	24,399.99							23,197.08
Villa Grove.....	11,511.69	14,139.56	26,051.25					1,139.84	1,202.91	11,015.51
Villa Park.....	36,101.79	142,706.58	178,808.37	644.81		2,718.91	1—3,319.97	15,035.74	15,035.74	130,709.12
Viola.....	7,206.00	4,974.59	12,180.59			74.65		48,055.50	48,099.25	8,924.35
Virgen.....	7,203.94	20,272.00	27,475.94			5.56	12,795.00	7,744.44	20,545.00	6,930.94
Virginia.....	15,093.14	10,224.84	25,317.98			611.07		14,634.59	15,245.66	10,072.32
Wadsworth.....	2,331.80	3,418.49	5,750.29			265.15		5,230.85	5,496.00	254.29
Waggoner.....	964.03	1,341.68	2,305.71			1—129.10		1,212.18	1,083.08	1,222.63
Walnut.....	27,530.40	7,302.58	34,832.98							34,832.98
Walnut Hill.....	18.64	937.33	955.97							955.97
Walshville.....	2,546.55	753.55	3,300.10					1,193.31	1,193.31	2,106.79
Waltonville.....	2,278.97	2,413.78	4,692.75					1,305.40	1,305.40	3,387.35
Wamac.....	12,403.04	8,540.09	20,943.13			409.95		7,611.75	8,021.70	12,921.43
Wapella.....	1,000.10	3,222.44	4,222.54			292.63		2,435.09	2,727.72	1,494.92
Warren.....	19,314.59	9,005.70	28,320.29			584.92		5,920.59	6,505.51	21,814.88
Warrensburg.....	2,095.62	4,172.04	6,267.66					4,400.00	4,400.00	1,867.76
Warsaw.....	1,258.25	11,872.82	13,131.07			460.45		11,511.70	11,972.15	1,158.92
Washington.....	13,644.50	6,518.41	20,162.91			369.33		7,328.91	7,852.20	12,310.71
Washington Park.....	26,575.06	36,261.70	62,836.76	1—448.35		7,703.35	18,406.38	7,533.00	33,194.38	29,642.38
Washington Park.....	20,268.09	40,439.86	60,707.95	10,352.93		6,308.68		38,217.70	54,879.31	5,828.64
Wataga.....	5,913.50	3,492.01	9,405.51							9,435.51
Waterloo.....	34,023.01	23,273.90	57,306.91	1,942.80		1,112.71		17,500.63	20,556.14	36,750.77
Waterman.....	9,486.89	5,611.72	15,098.61							15,098.61
Watseka.....	30,205.12	31,973.27	62,178.39	1,706.52		10,450.52		7,150.80	19,307.84	42,870.55
Watson.....	2,407.43	1,513.20	3,920.63					1,691.92	1,691.92	2,228.71
Wauconda.....	4,816.72	29,253.18	34,069.90			3,148.74	2,747.38		34,069.90	92,200.58
Waukegan.....	38,074.18	352,623.61	390,697.79	28,173.78		10,054.02		93,110.67	298,497.21	11,324.19
Waverly.....	18,572.65	8,423.67	26,996.32	195,332.52		1,009.92		14,662.21	15,672.13	2,480.17
Wayne.....	460.15	2,811.98	3,272.13			791.96				3,807.07
Wayne City.....	2,296.20	5,532.06	7,828.26				441.00	3,580.19	4,021.19	1,426.99
Waynesville.....	3,401.98	3,124.42	6,526.40					5,001.38	2,099.41	1,620.01
Weldon.....	979.67	2,750.73	3,730.40			286.85		1,823.54	2,110.39	1,909.91
Wellington.....		2,046.21	2,046.21					136.30	136.30	3,885.47
Wenona, Marshall.....	8,848.43	6,156.94	15,005.37	11,119.90					11,119.90	
Wenonah.....										
Montgomery.....	331.92	624.87	956.79					559.85	559.85	396.94
West Brooklyn.....	1,179.59	1,114.98	2,294.57			57.50		1,842.50	1,900.00	394.57
West Chicago.....	18,024.79	41,989.83	60,014.62	30,600.96		4,545.33		8,638.36	43,784.65	16,229.97
West City.....	11,333.49	4,986.82	16,320.31			417.43		4,094.68	4,602.35	11,717.96
West Dundee.....	26,497.54	15,499.60	41,997.14	5,750.00		448.65	16,017.51	1—448.65	21,767.51	20,229.63
West Frankfort.....	95,283.00	55,302.32	150,585.32			645.58	3,969.96	31,442.16	36,057.70	114,527.62

LOCAL ROADS AND STREETS

West Point.....	88.85	1,433.55	1,522.40						1,269.60		1,269.60	1,269.60	252.80
West Salem.....	9,166.01	5,856.76	15,022.77						9,907.46		9,907.46	9,907.46	5,115.31
Westchester.....	6,046.05	110,837.44	116,883.49					5,553.43			81,793.66	81,793.66	35,089.83
Western Springs.....	86,179.06	76,015.42	162,154.48					9,397.91			127,416.35	127,416.35	34,778.13
Westfield.....	508.21	3,896.34	4,404.55								3,136.40	3,136.40	1,268.15
Westmont.....	20,011.90	36,739.58	56,751.48					1,500.34			27,855.96	27,855.96	28,895.52
Weston.....		243.14	243.14										243.14
Westville.....	24,214.40	21,423.74	45,638.14					792.79		177.17	8,858.74	8,858.74	36,779.40
Wheaton.....	254,919.56	160,895.65	415,815.21								172,116.60	172,116.60	243,698.61
Wheeler.....	759.95	1,059.84	1,819.79								927.47	927.47	892.32
Wheeling.....	211,900.48	61,418.80	273,319.28								5,584.00	5,584.00	267,735.28
Whiteash.....	879.99	980.21	1,860.21										1,860.20
White City.....	647.16	1,208.89	1,854.05										235.20
White Hall.....	42,267.63	18,452.49	60,720.12										57,577.54
Williamsfield.....	415.79	3,357.22	3,773.01										904.74
Williamson.....		1,984.95	1,984.95										577.57
Williamsville.....	5,341.73	4,502.84	9,844.57										9,844.57
Willisville.....	4,596.62	3,259.21	7,855.83										3,210.61
Willowbrook.....	2,418.64	961.82	3,380.46										3,380.46
Willow Hill.....	572.56	2,052.32	2,624.88										151.32
Willow Springs.....	14,469.47	14,384.61	28,854.08										19,351.82
Wilmette.....	220,022.16	173,178.93	393,201.09										274,103.59
Wilmington, Greene.....	498.42	796.42	1,294.84										1,294.84
Wilmington, Will.....	64,048.57	25,791.82	89,840.39										46,594.18
Wilsonville.....	1,933.84	4,214.94	6,148.78										2,267.55
Winchester.....	14,756.71	10,151.33	24,908.04										16,063.45
Windsor, Mercer.....		4,031.11	4,031.11										4,009.86
Windsor, Shelby.....		6,254.95	7,487.88										1,491.77
Winfield.....	8,044.29	15,021.74	23,066.03										9,966.03
Winnebago.....	25,523.37	6,487.78	32,011.15										9,392.93
Winnetka.....	105,104.14	81,896.67	187,000.81										39,016.15
Winslow.....	6,200.98	2,242.23	8,443.21										8,443.21
Winthrop Harbor.....	7,032.17	23,574.09	30,606.26										18,102.34
Witt.....	1.98	6,745.07	6,747.05										60.03
Wood Dale.....	79,892.00	27,102.86	106,994.86										104,019.56
Woodhull.....	5,596.52	4,772.40	10,368.92										10,368.92
Woodland.....	2,012.12	2,107.46	4,119.58										3,711.54
Woodlawn.....	41.82	1,476.46	1,518.28										63.48
Wood River.....	100,076.96	71,641.23	171,718.19										87,243.16
Woodridge.....	629.89	14,127.29	14,757.18										7,504.10
Woodson.....	3,580.89	1,402.94	4,983.83										2,029.63
Woodstock.....	90,169.47	54,505.92	144,675.39										117,304.08
Worden.....	8,055.98	6,493.89	14,549.87										4,431.17
Worth.....	94,949.59	57,671.30	152,620.89										94,887.91
Wyandot.....	4,211.95	5,746.50	9,958.45										5,379.48
Wyoming.....	2,733.07	9,550.95	12,284.02										3,651.34
Xenia.....		3,008.01	3,008.01										895.78
Yale.....	1,530.67	753.53	2,284.20										1,129.28
Yates City.....	10,715.53	4,913.30	15,628.83										689.49
Yorkville.....	18,097.91	9,606.07	27,703.98										25,359.77
Zeigler.....	28,413.94	13,067.46	41,481.40										12,922.99
Zion.....	427.17	76,608.70	77,035.87										
Total.....	\$39,410,028.02	\$52,428,926.42	\$91,838,954.44	\$26,861,888.52	\$	586,827.51	\$	3,317,645.44	\$	4,989,210.32	\$15,705,180.25	\$	\$40,362,784.59

¹ Transferred from funds certified prior to 1964.

² Includes contribution to Illinois Municipal Employees' Retirement Fund or Social Security.

LOCAL ROADS AND STREETS

TABLE 64.—MUNICIPAL CONTRACTS APPROVED DURING 1964.

Municipality	Section CS	Length (Miles)	Surface (Square Yards)	Contract Price	Type
Addison.....	10-B.....			\$ 21,548.36	Pipe arch
Alorton.....	4-SS.....			2,231.75	Storm sewer
Alsip.....	7.....	4.9598	66,018	273,600.01	I-11 mod. pavt., SC base, ty. B shoulders
Alton.....	80-WQ.....	0.5304	8,048	131,529.33	I-11 pavt., PCC base wid., C
Alton.....	98-Q.....	0.3507	8,750	39,173.65	B-5 surf.
Andalusia.....	5-S.....	1.7303	18,822	233,317.55	B-5 mod. surf.
Antioch.....	11.....	0.2432	3,765	30,658.48	I-11 pavt., ty. B base, C&G
Arenzville.....	6.....	0.0630	810	2,075.34	A-2 treat., ty. B Base
Arlington Heights.....	35.....	3.1032	54,500	2479,582.16	I-11 pavt., pozzo. base, C&G, SS
Arlington Heights.....	36.....	0.3464	6,400	52,383.80	I-11 pavt., pozzo. base, C&G
Arlington Heights.....	38.....			11,797.40	Traffic signals
Aurora.....	80.....	0.7326	1,728	58,338.80	J-2 pavt., C&G
Aurora.....	85-RR.....			4796.32	RR crossing and crossbucks
Aurora.....	86-SS.....			145,889.10	Storm sewer
Aurora.....	89.....	0.1561	2,190	16,770.25	J-2 pavt., ty. A base
Aurora.....	90-TL.....			11,331.00	Traffic signals
Barrington.....	23.....	0.2996	9,949	9,978.80	I-11 pavt.
Bartonville.....	31.....	0.3195	5,864	25,762.95	B-5 surf., ty. B base, C&G
Bartonville.....	34.....	0.4444	7,800	38,904.95	B-5 surf., ty. B base, C&G
Bedford Park.....	6.....	0.5852	9,769	12,888.50	I-11 pavt.
Belleville.....	49-1.....	0.0851	2,711	50,979.65	PCC pavt. & PCC pavt. wid.
Belleville.....	50-WQ.....	0.6466	14,400	139,229.00	I-11 pavt., C&G, sidewalks
Belleville.....	73-WQ.....	1.0177	22,350	269,844.54	I-11 pavt., C&G
Belleville.....	74-Q.....	0.3979	6,015	20,736.20	I-11 pavt.
Bellwood.....	49.....	1.5410	5,300	45,565.80	I-11 pavt.
Bellwood.....	50.....	0.0966	3,454	50,668.00	I-11 pavt., C&G, TL
Belvidere.....	41-TL.....			1,878.15	School crossing signals
Berkeley.....	17.....	0.2437		25,424.65	I-11 pavt., WB mac. base, C&G
Berwyn.....	63.....			41,197.80	Flashing light signals & gates
Bloomington.....	144.....	0.4871	15,893	117,141.34	I-11 pavt., ty. B base, C&G
Bloomington.....	147.....	0.3364	8,480	60,989.55	I-11 pavt., ty. B base, C&G
Bloomington.....	149-B.....			47,775.00	Bridge
Bloomington.....	149-G.....	1.1922	27,250	36,164.75	Ty. B base, C&G
Bloomington.....	149-Q.....	1.1922	27,250	15,324.40	I-11 pavt.
Bloomington.....	151-RR.....			2,915.19	Flashing light signals
Bloomington.....	153-Q.....	0.8120	15,060	27,571.12	I-11 pavt.
Blue Island.....	48.....	0.3231	5,899	52,461.30	I-11 pavt., ty. B base, C&G
Blue Island.....	49.....	0.4030	6,860	27,391.50	I-11 pavt.
Blue Island.....	50.....	0.0965	1,862	14,177.05	I-11 pavt., ty. B base, C&G
Bourbonnais.....	25-Q.....	0.2090	3,617	18,421.93	A-3 treat., ty. B base, C&G
Brookfield.....	64.....	0.4996	10,727	267,789.20	I-11 pavt., WB mac. base, C&G
Brookfield.....	65.....	0.1313	2,554	221,389.65	I-11 pavt., WB mac. base, C&G
Brookfield.....	66.....	0.3939	7,627	275,977.80	I-11 pavt., C&G
Brookfield.....	67.....			48,282.00	C&G, sidewalks
Brooklyn.....	9-G.....	0.3321	7,110	62,104.15	Ty. A surf., C&G
Browning.....	2-B.....			2,968.80	Pipe arch
Buckley.....	8.....			10,628.74	Sidewalks
Burlington.....	3.....	0.0886	1,315	6,795.00	B-5 surf., ty. B base wid.
Burnham.....	8.....			25,627.36	Street lighting
Burnham.....	9.....	0.8664	13,216	24,467.50	I-11 pavt.
Cahokia.....	5-1Q.....	0.5964	13,393	141,694.40	I-11 pavt., ty. A Base, C&G
Calumet City.....	48.....	1.6489	338,000	239,924.55	I-11 pavt., ty. B base, C&G
Calumet Park.....	14.....			41,961.39	Flashing light signals
Canton.....	55.....	0.1519	2,928	11,234.18	B-5 surf., ty. B base, C&G
Canton.....	56.....	0.1054	1,855	12,147.20	B-5 surf., ty. B base, C&G
Carbondale.....	24-TL.....			44,992.80	Traffic signals
Carlinville.....	15-W.....	0.2018	3,120	54,055.67	I-11 pavt., ty. A base, C&G
Carpentersville.....	14.....	0.2093	3,930	5,319.39	B-5 surf.
Cary.....	10-T.....	0.1415	2,800	3,855.60	B-5 mod. surf.
Cary.....	11.....	0.0966	1,999	19,459.10	B-5 surf., ty. B base, C&G
Cedarville.....	1S-2.....	0.2021	3,490	4,660.90	A-3 treat., ty. B base, sidewalks
Centralia.....	19.....	0.3080	3,779	7,500.70	I-11 pavt.
Champaign.....	131.....			41,814.73	Flashing light signals
Champaign.....	132.....			41,956.61	Flashing light signals
Charleston.....	33.....	0.0523	654	18,900.00	I-11 pavt., C&G
Chenoa.....	14-Q.....	0.2852	3,456	3,358.60	A-3 treat.
Chicago.....	6 secs.....			2,924,205.86	Structure rehab.
Chicago.....	12 secs.....	7.0346	229,734	1,690,601.30	I-11 pavt., base wid., C&G
Chicago.....	1 sec.....			4,174.37	RR crossing reconstr.
Chicago.....	1 sec.....			6,292.00	Tree planting
Chicago.....	2 secs.....			21,538,421.50	Outlet sewers & sewer reconstr.
Chicago.....	2 secs.....			410,518.45	C&G, sidewalks

LOCAL ROADS AND STREETS

TABLE 64.—Continued.

Municipality	Section CS	Length (Miles)	Surface (Square Yards)	Contract Price	Type
Chicago.....	1 sec.....			36,840.00	Furn., fab., deliver struct. steel
Chicago.....	1 sec.....			32,167.00	Median replacement
Chicago (Expwy.)...	4 secs.....			153,430.00	Building removal
Chicago (Expwy.)...	2 secs.....			2,142,092.50	Hwy. grade sep.
Chicago (Expwy.)...	1 sec.....			1,990,210.80	RR grade sep.
Chicago (Expwy.)...	2 secs.....	1.0535		9,108,964.00	Dual PCC pavt., ramps
Chicago (Expwy.)...	2 secs.....			154,385.12	Utility adjustments
Chicago (Expwy.)...	1 sec.....			125,195.00	Traffic signs
Chicago Heights.....	77.....	0.3886	7,296	71,802.20	I-11 pavt., PCC base wid.
Chicago Heights.....	80.....			33,297.27	Street lighting
Chicago Ridge.....	5.....			17,449.54	Sidewalks
Chillicothe.....	12.....	0.0326	455	5,974.55	A-3 treat., ty. B base, C&G, SS
Cicero.....	94.....	3.4398	69,150	170,098.40	I-11 pavt., A-2 treat.
Clifton.....	9-Q.....	0.2121	2,324	8,086.20	A-3 treat., ty. B base
Columbia.....	12.....			3,320.00	Storm sewers
Countryside.....	1.....			16,618.40	Storm sewers
Crete.....	16.....	0.1773	2,791	15,898.10	B-5 surf., ty. B base, C&G
Creve Coeur.....	11-TL.....			3,295.25	Traffic signal rehab.
Crystal Lake.....	29.....	0.3271	6,821	37,541.06	B-5 surf., ty. A base, C&G
Dalzell.....	6-S.....	0.1652	3,351	16,980.65	A-3 treat., ty. B base, C&G
Danvers.....	9-Q.....	0.1169	2,876	16,151.90	B-5 surf., ty. B base, C&G
Danville.....	75.....			25,495.71	Bridge rehab.
Danville.....	79.....	0.0114	210	21,479.25	Culvert, I-11 pavt., PCC base, C&G
Danville.....	87.....	0.3083	4,513	9,577.40	I-11 pavt.
Danville.....	88.....	0.2926	4,376	17,828.25	I-11 pavt., C&G
Danville.....	89.....	0.4352	7,748	17,479.50	I-11 pavt., C&G
Danville.....	90.....	0.3502	7,254	19,160.50	I-11 pavt.
Danville.....	91.....	0.3311	6,135	18,637.20	I-11 pavt.
Davis.....	8-S.....	0.4900	6,309	3,491.52	A-3 treat.
Decatur.....	111.....	1.1290	29,017	2353,973.56	Dual PCC pavt., medians, TL
Decatur.....	114.....			10,450.87	Traffic signals
Deerfield.....	19.....	2.5015	30,978	56,198.60	I-11 pavt.
DeKalb.....	38-B.....	0.3775	6,534	144,124.81	Bridge, ty. B base
DeKalb.....	38-TL.....			10,982.60	Traffic signals
DesPlaines.....	60.....			15,860.15	Traffic signals
DesPlaines.....	62.....	2.0097	31,825	61,206.40	I-11 pavt., WB mac. base wid.
Dolton.....	37.....			6,229.45	Traffic signals
Dolton.....	38.....			2136,884.65	Storm sewers
Dolton.....	38.1.....	0.8665	17,690	274,367.65	I-11 mod. pavt., C&G
Downers Grove.....	25-SS.....			134,842.60	Storm sewers
Downs.....	8-Q.....	0.1100	1,296	2,154.30	A-3 treat.
East Chicago Heights	3.....	0.7260	8,522	53,228.98	A-3 treat., ty. B base, SS
East Dubuque.....	14-S.....	0.2215	4,540	27,469.05	I-11 pavt., C&G
East Moline.....	44-TL.....			122,301.16	Traffic signal rehab.
East Moline.....	45-TL.....			30,953.50	Traffic signals
East Peoria.....	53.....	0.3314	5,845	212,990.11	B-5 surf., ty. B base
East St. Louis.....	89-Q.....	0.3717	12,746	74,716.13	I-11 pavt., C, sidewalks
East St. Louis.....	99-TL.....			19,560.89	Traffic signals
East St. Louis.....	102-TL.....			9,926.12	Traffic signals
Effingham.....	22.....	0.1329	2,008	15,356.00	A-3 treat., ty. B base, C&G
Elgin.....	67-TL.....			4,308.50	Traffic signals
Elgin.....	69.....	1.1136	21,588	41,955.20	I-11 pavt.
Elk Grove Village.....	4.....	0.1869	18,764	28,461.25	I-11 pavt.
Elk Grove Village.....	6.....	1.7270	34,194	81,989.40	I-11 pavt.
Elmhurst.....	62-TL.....			7,956.95	Traffic signals
Elmhurst.....	72-TL.....			6,559.05	Traffic signals
El Paso.....	19-Q.....	0.3884	4,719	2,997.20	A-3 treat.
Essex.....	3-Q.....	0.1678	2,151	3,867.50	A-3 treat., ty. B base
Eureka.....	15-SS.....			3,973.00	Storm sewers
Eureka.....	17-B.....			12,693.00	Culvert
Evanston.....	71.....	0.3140	11,510	136,929.00	Dual PCC pavt., I-11 pavt.
Evanston.....	76.....	5.2394	89,832	179,485.41	I-11 pavt.
Evanston.....	77.....			197,968.34	Traffic signals
Evanston.....	78.....			81,685.70	Street lighting
Evanston.....	79.....	1.5060	25,600	111,629.00	I-11 pavt.
Evanston.....	80.....			47,244.61	Street lighting, traffic signals
Evansville.....	7.....	0.4430	7,576	38,865.11	Ty. A surf., C&G, SS
Evergreen Park.....	33.....	1.3625	27,000	332,866.89	I-11 pavt., WB mac. base, C&G, SL
Evergreen Park.....	34.....	1.2828	25,945	316,975.40	I-11 pavt., WB mac. base, C&G, SL, SS
Flossmoor.....	13.....	0.3631	6,527	40,810.53	B-5 surf., ty. B base, C&G
Forest Park.....	48.....	1.0896	24,865	45,812.85	I-11 pavt.

LOCAL ROADS AND STREETS

TABLE 64.—Continued.

Municipality	Section CS	Length (Miles)	Surface (Square Yards)	Contract Price	Type
Fox River Grove	6-B			16,382.70	Triple pipe arch
Freeport	45-S	3.1162	60,806	89,154.36	B-5 surf.
Galesburg	1-1	0.1136	2,400	21,326.40	Dual PCC pavt.
Galesburg	7-4			16,184.50	Storm sewers
Galesburg	76-Q	0.0787	1,950	11,847.75	I-11 pavt.
Galesburg	92	0.1608	2,968	18,300.70	I-11 pavt., ty. B base, SS
Galesburg	93	0.0787	1,335	25,450.50	PCC pavt., C
Galesburg	95-Q	0.1178	2,630	9,791.40	I-11 pavt.
Galesburg	99-P			1,852.00	Pavt. marking
Gardner	9	0.1204	3,145	24,405.89	I-11 pavt., C&G, sidewalks
Geneva	29	0.3606	8,531	55,225.18	B-5 mod. surf., ty. A base, C&G
Georgetown	15	0.1938	2,471	7,336.50	I-11 pavt.
Gillespie	2-W	0.2157	2,638	45,406.49	Wid., I-11 pavt., PCC base, C&G
Glen Ellyn	31	0.4373	6,811	176,153.35	I-11 pavt., ty. A base, C&G
Glencoe	16	1.8127	22,675	41,698.20	I-11 pavt.
Glenview	25			279,065.00	Storm sewers
Glenview	28	0.7489	13,513	53,810.00	I-11 pavt.
Glenview	29	0.1600	2,350	12,384.50	I-11 pavt., WB mac. base, C&G
Granite City	64-Q	0.2365	37,043	29,904.45	A-3 treat., ty. B base, C&G
Granite City	65-Q	0.4952	9,087	87,773.19	A-3 treat., ty. B base, C&G
Granite City	66-Q	0.2410	4,640	42,938.89	A-3 treat., ty. B base, C&G
Grant Park	5-Q	0.2417	2,590	3,838.36	A-3 treat.
Granville	11-G			11,142.20	Sidewalks, C
Granville	11-Q	0.3210	11,577	23,204.70	I-11 pavt.
Gridley	5-Q	0.2621	3,248	1,871.64	A-3 treat.
Hanover Park	2	0.1341	3,010	10,407.00	I-11 pavt., C&G
Hartford	12-Q	0.1714	3,200	23,184.84	A-3 treat., ty. B base
Harvard	19	0.4909	9,646	43,313.45	Ty. B base, C&G, SS
Harvey	61	1.1060	19,279	67,883.35	Mod. plant mix, ty. B base, C&G
Harvey	62			12,501.80	Traffic signals
Harwood Heights	9			1,700.00	Traffic signal rehab.
Henry	12-Q-1	0.2250	3,686	2,221.52	A-3 treat.
Herscher	10-Q	0.0812	2,909	14,760.75	B-5 surf.
Highland	14-Q	0.1281	2,578	17,980.25	A-3 treat., ty. B base, C&G
Highland Park	17	0.5938	10,603	198,712.83	PCC pavt., C&G
Highland Park	19	0.1983	2,511	32,551.75	PCC pavt.
Highland Park	51-B			98,659.71	Bridge rehab.
Highland Park	56-B			7,387.80	Pedestrian bridge
Highland Park	59	0.4173	4,896	10,498.08	I-11 pavt.
Highland Park	60	0.1807	2,654	4,001.33	I-11 pavt.
Highwood	22	0.1517	5,000	52,702.54	I-11 pavt.
Hinsdale	18-TL			13,349.65	Traffic signals
Hinsdale	20	2.3489	47,096	91,158.70	I-11 pavt., A-1 treat.
Homer	8	0.2920	6,271	26,497.25	I-11 pavt., PCC wid., C&G
Hometown	11	0.3008	4,636	16,777.00	Mod. plant mix
Homewood	32	4.9563	75,004	152,293.00	Base wid., C&G
Hoopeston	23	0.1596	3,402	36,851.60	I-11 pavt., PCC base wid., C&G
Hoopeston	24	0.2810	1,046	22,801.20	I-11 pavt., PCC pavt.
Hume	3			2,836.00	Street lighting
Island Lake	8			1,478.30	Storm sewers
Island Lake	9-D			2,073.50	Storm sewers
Joliet	109-TL			7,809.75	Traffic signals
Joliet	129-TL			8,802.55	Traffic signals
Joliet	130	1.1911	25,823	52,591.57	I-11 pavt.
Kankakee	158-Q	0.7433	4,124	27,849.57	A-3 treat., SC base
Kankakee	159-Q	0.3380	6,053	23,897.64	A-3 treat., ty. B base, C&G
Kankakee	167-Q	0.8936	19,303	165,627.97	I-11 pavt., C&G
Kankakee	169-L			18,432.11	Street lighting
Kewanee	47-S	0.3483	9,097	20,701.00	I-11 pavt.
Lacon	15			5,460.00	Relocation of utilities
Lake Bluff	8-B (Part 1b)			28,889.96	Bridge
Lakemoor	4			3,767.50	Storm sewers
Lansing	25			4,456.97	Flashing light signals & gates
Lansing	27	0.4542	7,524	54,898.10	I-11 pavt., asph. stab. base, C&G
LaSalle	21	1.0013	17,775	43,960.44	I-11 pavt., A-3 treat., ty. B base, C&G
Lawrenceville	20	0.2842	3,387	8,928.96	A-3 treat., ty. B base
Lawrenceville	21	0.7402	11,890	19,831.53	B-4 surf.
Lemont	15			25,521.27	Traffic signals
Lena	10-S	0.1515	3,924	25,133.65	J-2 pavt., ty. B base, C&G
Liberty	1	0.5054	5,762	6,338.72	Ty. B surf.
Lincoln	38	0.7233	18,676	106,931.30	I-11 pavt., ty. B base, C&G
Lincolnwood	10			82,027.57	Street lighting
Lombard	53	1.4814	24,785	56,182.80	I-11 pavt.

LOCAL ROADS AND STREETS

TABLE 64.—Continued.

Municipality	Section CS	Length (Miles)	Surface (Square Yards)	Contract Price	Type
Lombard.....	57-W.....	1.4564	36,462	¹ 99,132.34	I-11 pavt., SC base wid., C&G
Loves Park.....	17-SS.....			25,404.98	Storm sewers
Lyndon.....	7-S.....	0.2914	3,870	10,343.28	A-3 treat., ty. B base
Lyons.....	27.....	1.1273	14,749	19,903.50	I-11 pavt.
Manteno.....	23-Q.....	0.1180	2,353	2,619.20	A-3 treat.
Markham.....	16.....	0.2002	3,523	37,872.19	I-11 pavt., ty. A base, C&G
Marseilles.....	19.....	0.0583	842	6,239.05	I-11 pavt., C&G
Matteson.....	16.....	0.1877	3,856	3,367.00	I-11 pavt.
Mattoon.....	50.....	0.3651	7,100	38,215.60	I-11 pavt., C&G
Maywood.....	51.....	8.4786	126,507	² 442,825.22	I-11 pavt.
Maywood.....	52.....	11.6681	203,262	² 699,305.65	I-11 pavt.
Maywood.....	53.....	12.9930	190,489	² 520,047.43	I-11 pavt.
Mendota.....	25-Q.....	0.1600	3,124	6,570.90	I-11 pavt.
Metamora.....	16.....	0.8295	8,286	6,254.70	A-1 & A-3 treat., ty. B base wid.
Moline.....	79-TL.....			51,629.19	Traffic signal rehab.
Moline.....	80.....	0.5156	9,880	91,903.89	PCC pavt., C&G
Moline.....	86.....	0.1614	4,505	47,701.07	PCC pavt., C
Momence.....	21-Q.....	0.4100	7,656	19,544.10	I-11 pavt. & B-5 surf., ty. B base
Monee.....	1.....	0.4970	6,414	17,215.80	Ty. B base
Montsanto.....	3-Q.....	0.1960	4,024	21,211.90	I-11 pavt., C&G
Montgomery.....	4-TL.....			5,834.75	Traffic signals
Morris.....	34-B.....			45,462.55	Arch rehab.
Morris.....	35-SS.....			33,279.25	Storm sewers
Morton.....	43.....	0.2766	5,381	² 6,354.60	B-5 surf.
Morton.....	45.....	0.3011	5,761	27,001.32	B-5 surf.
Morton.....	46.....	0.1231	2,456	22,959.73	B-5 surf.
Morton.....	47.....	0.2708	5,765	² 6,860.42	B-5 surf.
Morton Grove.....	35.....	3.2409	61,320	² 388,093.50	I-11 pavt., pozzo. base
Morton Grove.....	36.....			64,934.35	Traffic signal rehab.
Mount Prospect.....	20.....	3.2792	40,424	172,417.80	I-11 pavt., C&G
Mt. Morris.....	21-S.....	0.0504	975	5,177.50	A-3 treat., ty. B base, C&G
Mt. Vernon.....	48.....	0.2053	3,960	59,682.55	I-11 pavt., PCC wid., C&G, SS
Mt. Vernon.....	49-TL.....			41,380.45	Flashing light signals
Mundelein.....	15.....	0.2408	5,295	46,232.20	B-5 surf., asph. stab. base, C&G, SS
Nelson.....	5-S.....	0.1337	2,794	2,586.30	A-3 treat.
Niles.....	16.....			202,832.50	Street lighting
Niles.....	18-TL.....			12,909.90	Traffic signals
Noble.....	2.....			11,999.00	Culvert
Normal.....	47-Q.....	0.1117	2,278	13,442.80	I-11 pavt., ty. B base, C&G
Normal.....	48-Q.....	0.2447	4,758	² 32,412.95	I-11 pavt., ty. B base, C&G
Normal.....	49-B.....			113,000.00	Bridge
Normal.....	49-G.....	1.1922	27,250	³ 72,632.50	Ty. B base, C&G
Normal.....	49-Q.....	1.1922	27,250	³ 28,069.10	I-11 pavt.
Normal.....	50-G.....	0.4210	7,990	38,399.25	Ty. B base, C&G
Normal.....	50-Q.....	0.4210	7,990	12,944.30	I-11 pavt.
Norridge.....	14.....	0.5013	7,365	² 76,627.25	I-11 pavt., C&G
Norridge.....	15.....	1.3718	19,314	62,561.79	I-11 pavt., C&G, SS
North Aurora.....	13.....	0.7382	10,517	15,815.95	B-5 surf.
North Chicago.....	50.....			46,291.54	Relocation of FL & crossing wid.
North Chicago.....	56.....	0.2358	3,887	21,425.04	I-11 pavt., C&G
North Chicago.....	57.....	1.3936	24,945	34,900.72	I-11 pavt.
North Chicago.....	58.....	0.4731	13,115	45,040.72	Dual I-11 pavt., ty. A base wid., C&G
North Chicago.....	59-L.....			7,339.30	Street lighting
North Chicago.....	60.....	1.8498	27,730	47,844.66	I-11 pavt.
North Chicago.....	61.....	1.2989	30,570	37,636.67	I-11 pavt.
North Riverside.....	22.....	0.2517	4,275	51,988.65	I-11 pavt., WB mac. base, C&G
Northfield.....	9.....			9,694.80	Traffic signals
Northfield.....	9.1.....			14,515.00	Sidewalks
Oak Forest.....	6.....	1.0862	17,510	² 157,283.95	I-11 pavt., ty. B base, C&G
Oak Grove.....	2.....	0.1165		5,258.00	Shoulder & ditch construction
Oak Lawn.....	34.....			30,029.47	Traffic signals
Oak Lawn.....	38 & 39.....	0.3572	8,193	278,055.80	I-11 pavt., WB mac. base, C&G
Oak Lawn.....	44.....			16,792.28	Traffic signals
Oak Lawn.....	45.....	0.4852	9,737	287,869.00	I-11 pavt., WB mac. base, C&G
Oak Lawn.....	46.....	0.5487	11,002	² 100,123.90	I-11 pavt., WB mac. base, C&G
Oak Park.....	129.....			71,352.50	C&G, sidewalks
Oak Park.....	130.....	16.4307	250,000	62,355.00	A-1 treat.
Oakland.....	11.....	0.1169	2,494	111,063.07	I-11 pavt., ty. B base, C&G
Odell.....	14-Q.....	0.1427	1,457	6,535.81	A-3 treat., ty. B base
O'Fallon.....	14-TL.....			19,444.12	Traffic signals
Oglesby.....	10.....	0.1456	2,662	1,842.56	I-11 pavt.
Olney.....	24-Q.....	0.1740	3,595	² 29,130.89	B-3 surf., SC base, C&G

LOCAL ROADS AND STREETS

TABLE 64.—Continued.

Municipality	Section CS	Length (Miles)	Surface (Square Yards)	Contract Price	Type
Olney.....	25-Q.....	0.2076	4,671	239,756.74	A-3 treat., SC base, C&G
Oquawka.....	13.....	0.6117	7,367	111,922.85	Ty. A salt stab. base
Oregon.....	18.....	0.3341	9,307	26,908.35	A-3 treat., ty. B base, curb
Orland Park.....	5.....	0.6136	8,210	122,000.00	B-5 surf., A-3 treat., ty. A base, C&G
Ottawa.....	72.....	0.3367	5,226	227,896.46	I-11 pavt., SC base, C&G
Ottawa.....	75.....	0.1449	2,621	223,328.20	PCC pavt., C
Ottawa.....	76.....	0.1426	1,773	5,663.33	I-11 pavt.
Ottawa.....	78-B.....			43,126.89	Bridge rehab.
Ottawa.....	79.....			8,724.30	Traffic signals
Palatine.....	17.....	0.9409	17,501	169,160.39	I-11 pavt., SC base, C&G, SS
Palos Heights.....	2.....			3,157.60	Pipe culvert
Paris.....	28.....	0.0666	1,778	34,034.90	PCC pavt., C&G
Paris.....	29.....	0.2078	4,749	19,772.30	I-11 pavt.
Park Forest.....	33.....	1.2959	31,950	62,761.15	Mod. plant mix
Park Forest.....	34.....	1.0372	15,950	11,755.10	Mod. plant mix
Park Ridge.....	44.....	0.7629	13,800	98,920.10	I-11 pavt., C&G
Pekin.....	79.....	1.9513	38,404	2128,397.20	B-5 surf., ty. B base, C&G
Pekin.....	81.....	0.4828	8,696	246,142.90	B-5 surf., ty. B base, C&G
Pekin.....	84.....	1.1543	21,557	291,576.14	A-1 treat., ty. B base, C&G
Pekin.....	85.....	0.1494	2,624	29,292.95	B-5 surf., ty. B base, C&G
Pekin.....	86.....	0.2409	4,523	216,471.14	B-5 surf., ty. B base, C&G
Pekin.....	87-TL.....			7,519.60	Traffic signals
Peoria.....	103-Q.....	0.6555	13,786	229,676.28	I-11 pavt.
Peoria.....	115-Q.....	0.4331	10,616	223,113.50	I-11 pavt.
Peoria.....	117-Q.....	0.2401	6,004	139,031.75	I-11 pavt., PCC wid., C&G, TL
Peoria.....	120-Q.....	0.2442	4,425	221,427.05	I-11 pavt., C
Peoria.....	122-Q.....	0.3344	5,555	227,103.50	I-11 pavt., C
Peoria.....	123-Q.....	0.2698	4,748	215,331.89	I-11 pavt., C
Peoria.....	125-TL.....			30,514.15	Traffic signal rehab.
Peoria.....	128-Q.....	0.8822	22,672	2117,695.44	I-11 pavt.
Peoria.....	129-Q.....	0.1568	861	223,129.78	I-11 pavt., PCC base, C, TL
Peoria Heights.....	52.....	0.5663	14,210	268,216.09	B-5 surf., ty. B base, C&G
Peoria Heights.....	54-SS.....			2,429.50	Storm sewers
Peoria Heights.....	57-SS.....			2,646.00	Storm sewers
Peotone.....	12-FL.....			46,229.97	Flashing light signals & gates
Peotone.....	13.....	0.0625	4,818	5,609.80	PCC pavt., B-5 surf., C, side- walks
Peotone.....	14.....	0.2987	11,927	10,981.50	A-3 treat., ty. B base
Peru.....	12-G.....			8,219.47	PCC base wid., C, sidewalks
Peru.....	12-Q.....	0.3814	6,277	11,399.90	I-11 pavt.
Petersburg.....	7.....	0.3663	5,784	31,555.84	A-3 treat., ty. B base, C&G
Pittsfield.....	10.....	0.2017	6,799	12,247.50	I-11 pavt.
Plano.....	10-T.....			1556.39	A-2 treat.
Polo.....	14-CG.....			16,121.50	C&G
Pontiac.....	40-Q.....	0.2399	5,218	21,485.40	A-3 treat., ty. B base, C&G
Pontiac.....	40-SS.....			27,253.00	Storm sewers
Port Byron.....	7-S.....	0.2013	2,148	22,065.95	A-3 treat., ty. B base
Princeton.....	29.....	0.6005	11,072	58,067.81	Ty. B base, C&G
Rantoul.....	19.....	0.0822	3,060	34,078.75	I-11 pavt., C&G
Rantoul.....	29.....			7,626.52	Pipe arch
Riverdale.....	26.1.....			119,861.05	Storm sewers
Riverdale.....	26.2.....	0.4216	7,080	41,425.18	Mod. plant mix, bit. stab. base, C&G
River Forest.....	33.....			15,289.10	Traffic signal rehab.
River Forest.....	34.....	0.6187	10,164	15,552.25	I-11 pavt.
River Forest.....	35.....			18,850.50	C&G, sidewalks, SS
River Grove.....	11.....	0.1118	2,000	218,965.05	I-11 pavt., WB mac. base, C&G
River Grove.....	12.....			20,970.00	Street lighting
Robbins.....	5.....	2.5087	37,893	2269,987.50	Mod. plant mix, asph. stab. base, C&G
Robbins.....	5.1.....			2172,179.80	Storm sewers
Rock Falls.....	36-S.....	0.1408	2,822	25,645.20	B-5 surf., ty. B base, C&G, SS
Rock Island.....	51-2.....	0.4944	12,160	2173,210.51	PCC pavt., medians, C&G, TL
Rock Island.....	52.....	0.3711	9,451	2142,444.23	PCC pavt., C&G
Rock Island.....	56-S.....	5.2887	87,121	2116,550.74	I-11 pavt.
Rock Island.....	57.....	0.7280	14,445	104,628.95	PCC pavt. & I-11 pavt.
Rockford.....	105-1.....	0.6718	30,133	249,413.26	I-11 pavt., PCC base, C&G, TL
Rockford.....	127-1.....			1,600.00	Building removal
Rockford.....	180-TL.....			68,139.20	Traffic signal rehab.
Rockford.....	181.....			1,280.00	Building removal
Rockford.....	181.....	0.0562	1,686	24,145.68	PCC pavt., C&G
Rockford.....	182.....	1.0667	20,341	40,857.00	J-2 pavt.
Rockford.....	183-TL.....			14,480.75	Traffic signals

LOCAL ROADS AND STREETS

TABLE 64.—Continued.

Municipality	Section CS	Length (Miles)	Surface (Square Yards)	Contract Price	Type
Rockton.....	10-S.....	1.3002	16,983	16,753.16	A-3 treat.
Rolling Meadows.....	16.....	1.9742	27,875	37,138.80	I-11 pavt. & A-1 treat.
Rolling Meadows.....	18.....	1.6518	20,245	29,265.80	I-11 pavt.
Round Lake Park.....	8.....	0.0983	2,200	12,312.71	B-5 surf., ty. A base, C&G
Roxana.....	5-Q.....	0.1154	1,454	12,808.85	I-11 pavt., ty. A base
St. Charles.....	30.....	0.3452	9,498	43,906.75	I-11 pavt., C
Salem.....	24.....	0.3155	4,205	61,211.54	2 Bridges, A-3 treat., ty. B base
Schaumburg.....	1.....	0.2254	2,509	7,087.55	B-5 surf.
Schiller Park.....	14.....	0.2977	6,100	56,074.30	I-11 pavt., WB mac. base, C&G
Seatonville.....	6-G.....	0.1776	2,113	4,640.40	Ty. B base
Shannon.....	4-S.....	1.0907	14,295	136,578.69	A-3 treat., ty. B base, C&G
Shannon.....	5-S.....	0.0820	2,050	3,321.70	A-3 treat., ty. B base, C&G
Shannon.....	6-S.....	0.4125	7,832	12,791.81	A-3 treat., ty. B base
Shelbyville.....	10.....			6,284.10	Traffic signals
Silvis.....	12-TL.....			14,651.07	Traffic signal rehab.
Skokie.....	32.....			46,456.17	Railroad crossing & crossing protection
Skokie.....	44.....	0.3984	20,981	134,893.65	I-11 pavt., WB mac. base, C&G, medians
Skokie.....	44.1.....			72,500.00	Street lighting, TL, signs, pavt. marking
Skokie.....	46.1.....			13,190.00	Street lighting
Skokie.....	49.....			41,509.05	Flashing light signals
Skokie.....	52.....			48,519.00	Traffic signal rehab.
Skokie.....	53.....			90,521.80	Street lighting
Skokie.....	54.....	1.1816	21,000	89,421.00	I-11 pavt., C&G
Skokie.....	57.....	0.5911	6,509	47,474.20	I-11 pavt., C&G
South Beloit.....	15-TL.....			8,578.35	Traffic signals
South Elgin.....	11.....	0.7190	9,710	12,337.50	B-5 surf.
Springfield.....	126.....			413,864.05	Flashing light signals & gates
Springfield.....	135.....	0.3565	5,618	94,593.48	B-5 surf., ty. A base, C&G
Springfield.....	147.....	0.9025	24,380	2159,543.75	I-11 pavt., PCC base wid., C
Springfield.....	151.....	1.0086	27,780	2172,451.11	I-11 pavt., PCC base wid., C, TL
Spring Grove.....	5-SS.....			1,730.65	Storm sewers
Spring Grove.....	6-FL.....			41,362.29	Flashing light signals
Staunton.....	22.....			17,815.35	C&G, sidewalks
Steeleville.....	7.....	0.2068	3,890	25,133.55	A-3 treat., ty. A base, C&G
Steger.....	13.....	0.1045	1,470	8,082.70	A-3 treat., ty. B base
Steger.....	14.....	1.2166	20,156	30,612.48	I-11 pavt.
Sterling.....	48-SS.....			15,414.50	Storm sewers
Sterling.....	49.....	0.0417	603	10,279.60	PCC pavt., C&G
Stockton.....	14-S.....	0.1883	5,122	8,498.28	B-5 surf.
Streamwood.....	3.....	0.3570	9,810	57,804.95	I-11 pavt.
Sycamore.....	31.....	0.2483	4,639	139,196.59	J-2 surf., ty. B base, C&G
Tampico.....	3-SS.....			4,016.00	Storm sewers
Taylorville.....	25.....	0.0627	1,756	10,799.50	I-11 pavt.
Taylorville.....	28.....	0.2624	5,965	18,988.30	I-11 pavt.
Thomson.....	7.....			11,022.41	Sidewalks, C&G
Thornton.....	14.....	0.2159	4,180	19,547.00	Mod. plant mix, ty. B base, C&G
Tinley Park.....	12.....			33,603.10	Storm sewers
Tinley Park.....	12.1.....	0.8390	13,798	284,397.35	Mod. plant mix, bit. conc. base, C&G
Tinley Park.....	13.....	0.0481	790	24,652.20	Mod. plant mix, asph. stab. base, C&G
Tinley Park.....	14.....	1.0700	13,810	26,475.85	Mod. plant mix
Toluca.....	13.....	0.3250	3,893	5,990.80	Ty. B base
Towanda.....	4-B.....			8,998.40	Culvert
Urbana.....	98.....			254,456.10	Street lighting
Urbana.....	113.....	0.4837	17,270	2187,755.46	I-11 pavt., PCC base wid, C&G, SL
Urbana.....	117.....	0.4908	17,202	2180,667.47	I-11 pavt., PCC base wid., SL
Valmeyer.....	5.....			6,412.32	Sidewalks
Venice.....	26-WQ.....	0.0940	2,657	27,940.72	I-11 pavt., C&G, SS
Washington.....	45.....	0.8953	16,969	79,530.50	B-5 surf., ty. B base, C&G
Washington.....	46.....	0.1775	3,364	19,192.75	B-5 surf., ty. B base, C&G
Waterloo.....	13.....			3,989.00	C&G, sidewalks
Wauconda.....	5-S.....	1.1034	13,361	20,597.45	A-3 treat.
Wauconda.....	9.....	0.2613	5,538	27,970.28	B-5 surf., ty. B base, C&G
Waukegan.....	119-TL.....			9,161.20	Traffic signals
Waukegan.....	120.....	0.6636	7,356	84,796.11	I-11 pavt., pozzo. base, C&G
Waukegan.....	121.....	1.2337	19,415	60,462.63	I-11 pavt., pozzo. base, C&G
Waukegan.....	123.....	0.1111	2,460	26,990.90	I-11 pavt., pozzo. base, C&G

LOCAL ROADS AND STREETS

TABLE 64.—Continued.

Municipality	Section CS	Length (Miles)	Surface (Square Yards)	Contract Price	Type
Wenona.....	11-Q.....	0.3358	4,045	11,119.90	A-3 treat.
West Chicago.....	19.....	0.4589	6,700	31,294.45	B-5 surf., C&G
West Dundee.....	22.....	0.0549	1,031	5,773.45	PCC pavt., C
Westchester.....	20.....	1.8716	29,047	² 291,456.76	I-11 pavt., WB mac. base, C&G
Westchester.....	22.....			² 20,001.14	Street lighting
Westchester.....	23.....	0.3068	4,319	24,626.26	I-11 pavt.
Western Springs.....	30.....	0.2994	4,858	24,800.76	I-11 pavt., C&G
Western Springs.....	31.....	0.1890	6,530	¹ 77,525.46	I-11 pavt., C&G
Wheeling.....	10.....			5,584.00	Sidewalks
Wilmette.....	52.....	1.6068	25,600	¹ 103,124.95	I-11 pavt.
Wilmette.....	53.....	0.1600	2,350	¹ 12,384.50	I-11 pavt., WB mac. base, C&G
Winnebago.....	5-S.....	1.1034	13,361	20,597.45	A-3 treat., ty. B base
Winnetka.....	39.....	0.6882	10,000	78,979.00	I-11 pavt.
Winnetka.....	40.....	1.3676	18,023	43,943.00	I-11 pavt.
Wood Dale.....	6-FL.....			⁴ 2,486.52	Flashing light signals
Wood River.....	23-Q.....	0.1445	2,582	31,385.60	A-1 treat., SC base, C&G, SS
Woodstock.....	36-T.....	0.6405	10,143	18,357.92	B-5 surf.
Worth.....	12.....	0.5131	6,629	¹ 34,773.94	A-3 treat., ty. A base, SS
Zeigler.....	12.....	0.2175	4,319	45,654.30	I-11 pavt., C&G
Zion.....	24.....	2.6200	52,280	58,520.00	B-5 surf.
Totals.....	468.....	244.0045	4,676,823	\$41,306,344.85	

Notes:

Costs shown in the above table do not include force account work or the cost of adjusting utility equipment by city forces.

¹ Includes work done in conjunction with a county, adjoining municipality, road district, state, railroad, or work paid for in part with municipal or private funds. Only the municipality's motor fuel tax portion (portion known at time of table preparation) of the contract price is shown in this table.

² Special assessment or bond issue projects. The amount shown in this table is the full contract price. The portion of the cost to be retired with motor fuel tax funds for these projects was not known at the time of table preparation.

³ Joint projects between the City of Bloomington and the Town of Normal. The amount shown in the above table is the amount to be paid by each municipality by special assessment. The motor fuel tax portion of the cost for each municipality was not known at the time of table preparation.

⁴ Municipality's motor fuel tax portion of the cost for work done in conjunction with the railroad for railroad crossing and railroad crossing protection projects.

Meaning of abbreviations used in the above table:

Asph.—Asphalt	RR—Railroad
Bit.—Bituminous	SC—Soil Cement
C—Concrete Curb	Sec.—Section
C & G—Combination Concrete Curb & Gutter	Secs.—Sections
Conc.—Concrete	Sep.—Separation
Fab.—Fabrication	SL—Street Lighting
FL—Flashing Light Signals	SS—Storm Sewer
Furn.—Furnish	Stab.—Stabilized
Hwy.—Highway	Struct.—Structural
Mac.—Macadam	Surf.—Surface
Mod.—Modified	Treat.—Treatment
Pavt.—Pavement	TL—Traffic Lights
PCC—Portland Cement Concrete	Ty.—Type
Pozzo.—Pozzolanic	WB—Waterbound
Reconstr.—Reconstruction	Wid.—Widening
Rehab.—Rehabilitation	

A-1, A-2, A-3, B-3, B-4, B-5, B-5 mod., I-11, I-11 mod., and J-2 refer to various types of bituminous surfaces in the Standard Specifications for Road and Bridge Construction.

LOCAL ROADS AND STREETS

TABLE 65.—MUNICIPAL DAY LABOR CONSTRUCTION AUTHORIZED DURING 1964.

Municipality	Section CS	Length (Miles)	Surface (Square Yards)	Estimated Cost	Type
Alto Pass.....	1.....	0.8879	8,660	¹ \$ 15,064.58	Ty. A surf., culvert
Chicago.....	44 secs.....			488,262.57	Traffic signals & rehab.
Chicago.....	6 secs.....			586,126.17	Street lighting & rehab.
Chicago.....	4 secs.....			1,075,210.00	Bridge rehab.
Dover.....	9-S.....	0.4634	4,990	7,648.53	A-3 treat., ty. B base
Hennepin.....	4.....	0.3782	4,576	6,083.45	Ty. B surf.
Mazon.....	6.....	0.3402	4,789	2,964.00	Ty. B surf.
Palestine.....	7-L.....			4,359.36	Street lighting
St. Peter.....	1-SS.....			1,618.00	Storm sewer
Shabbona.....	9.....	0.1307	1,376	2,752.00	Ty. B mod. surf.
Southern View.....	2-SS.....			9,272.70	Storm sewer, culverts
Totals.....	62.....	2.2004	24,391	\$2,199,361.36	

Notes:

¹ Joint project with road district. Only municipalities motor fuel tax portion of the estimated cost of the improvement is shown in this table.

Meaning of abbreviations used in the above table:

Mod.—Modified	Surf.—Surface
Rehab.—Rehabilitation	Treat.—Treatment
Secs.—Sections	Ty.—Type

TABLE 66.—MUNICIPAL CONSTRUCTION COMPLETED DURING 1964.

Municipality	Concrete Pavement and Surfaces on a New Concrete Base				Bituminous Surfaces		Gravel or Stone Surfaces	Oiled Earth	Earth Grading	Bridges 20-foot Span or Over
	Widening and Single-lane (0' to 15')	Two-lane (16' to 24')	Three-lane (25' to 35')	Four-lane or Over (36' or Over)	On an Existing Rigid Base	Not on a Rigid Base				
	Miles	Miles	Miles	Miles	Miles	Miles	Miles	Miles	Miles	Number
Addison.....						0.64				
Alton.....				0.05	0.35	1.73				
Andalusia.....					0.44					
Anna.....						0.06				
Arenzville.....					0.98	1.03	0.18			
Arlington Heights.....										
Arrowsmith.....					0.06	0.83				
Aurora.....					0.30					
Barrington.....						2.76				
Barrington Hills.....						0.32				
Bartonville.....						0.55				
Batavia.....										
Beardstown.....					0.21					
Bedford Park.....						0.59				
Belleville.....				0.09	2.76					
Bellwood.....					3.26					
Belvidere.....					0.45	0.72				2
Bensenville.....					0.76					
Benton.....					1.01					
Berkeley.....						0.24				
Bloomington.....						1.19				
Blue Island.....					0.40					
Bourbonnais.....						0.74				
Brookfield.....					0.39	0.63				
Buckley.....						0.17				
Burlington.....						0.09				
Burnham.....					0.87					
Cairo.....					1.59	0.21				
Calumet City.....						1.65				
Canton.....						0.26				
Carlinville.....					0.09	0.11				
Carlyle.....						1.34				
Carpentersville.....						0.21				
Cartersville.....					0.74					
Cary.....						0.24				
Cedarville.....						0.20				
Champaign.....					0.97					1
Charleston.....					0.05					
Chenoa.....						0.29				
Chicago.....					4.73	0.43				

LOCAL ROADS AND STREETS

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LOCAL ROADS AND STREETS

TABLE 66.—Continued.

Municipality	Concrete Pavement and Surfaces on a New Concrete Base				Bituminous Surfaces		Gravel or Stone Surfaces	Oiled Earth	Earth Grading	Bridges 20-foot Span or Over
	Widening and Single-lane (0' to 15')	Two-lane (16' to 24')	Three-lane (25' to 35')	Four-lane or Over (36' or Over)	On an Existing Rigid Base	Not on a Rigid Base				
	Miles	Miles	Miles	Miles	Miles	Miles	Miles	Miles	Miles	Number
Lansing.....						0.45				
LaSalle.....					0.83	0.17				
Lawrenceville.....					0.88	0.28				
Lena.....						0.15				
Liberty (Adams County).....							0.51			
Lincoln.....					0.45					
Litchfield.....					0.32					
Lombard.....					1.48					
Loves Park.....										1
Lyndon.....						0.08				
Lyons.....					1.13	0.29				
Macomb.....										
Manteo.....						1.15				
Maple Park.....						0.12				
Markham.....						0.15				
Marseilles.....						0.70				
Matteson.....					0.06					
Mattoon.....						0.19				
Maywood.....					0.37					1
Mazon.....					33.14	1.39	0.34			
Mendota.....					0.16					
Metamora.....										
Minier.....						0.83				
Moline.....			0.52	0.61		0.27	1.07			
Momence.....						0.07				
Monroe.....					0.34		0.50			
Monsanto.....										
Morton.....						0.20				
Morton Grove.....						0.97				
Mount Prospect.....					0.77	7.97				
Mt. Carroll.....					3.15	0.13				
Mt. Morris.....						0.05				
Mt. Sterling.....						0.05				
Mt. Vernon.....						0.62				
Mundelein.....					0.47					
Naperville.....						0.24				
Nelson.....						0.07				
Normal.....						0.13				
Norridge.....						0.31	0.20			
North Aurora.....						0.86				
						0.74				

LOCAL ROADS AND STREETS

North Barrington.....							0.04			
North Chicago.....							0.24			
North Riverside.....							0.25			
Oak Forest.....		0.30					4.09			
Oak Lawn.....							0.85			
Oak Park.....							0.79			
Oblong.....							0.18			
Oglesby.....										
Onarga.....							1.68			
Oquawka.....								0.61		
Oregon.....							0.33			
Ottawa.....			0.14			0.02	0.14			
Paris.....						0.07	0.21			
Park Forest.....								3.73		
Park Ridge.....										
Pekin.....							0.76			
Peoria.....								3.37		
Peoria Heights.....							0.84			
Peru.....	0.38						0.67			
Phoenix.....							1.57			
Pittsfield.....								0.73		
Port Byron.....							0.20			
Posen.....										
Princeton.....								6.14		
Quincy.....								0.60		
Red Bud.....								0.51		
Riverdale.....								0.23		
River Forest.....								0.60		
River Grove.....							0.26			
Riverside.....										
Robinson.....										
Rock Falls.....								0.11		
Rockford.....								4.32		
Rock Island.....							1.06	0.87		
Rockton.....			0.43			0.67	5.59	0.83		
Rolling Meadows.....						0.37				
Round Lake Park.....										
Roxana.....								1.30		
Schaumburg.....								3.95		
Schiller Park.....								0.20		
Seatonville.....								0.12		
Shabbona.....								0.22		
Shannon.....								0.29		
Skokie.....									0.18	
Somonauk.....							1.54	0.13		
South Chicago Heights.....								1.58		
South Elgin.....								0.04		
South Holland.....								0.05		
St. Charles.....								0.61		
Steeleville.....							0.35	0.72		
Steger.....								2.39		
Sterling.....								0.21		
Stillman Valley.....		0.04						1.32		
Stockton.....								0.06		
Streamwood.....								0.18		
								0.36		

TABLE 66.—Concluded.

Municipality	Concrete Pavement and Surfaces on a New Concrete Base				Bituminous Surfaces		Gravel or Stone Surfaces	Oiled Earth	Earth Grading	Bridges 20-foot Span or Over
	Widening and Single-lane (0' to 15')	Two-lane (16' to 24')	Three-lane (25' to 35')	Four-lane or Over (36' or Over)	On an Existing Rigid Base	Not on a Rigid Base				
	Miles	Miles	Miles	Miles	Miles	Miles	Miles	Miles	Miles	Number
Streator.....					0.94	0.25				
Sycamore.....										
Taylorville.....					0.06	0.22				
Thornton.....						1.96				
Tinley Park.....							0.33			
Toltec.....					0.97					
Urbana.....					0.09					
Venice.....										
Washington.....						1.08				
Watseka.....						0.90				
Wauconda.....							0.16			
Waukegan.....					2.67	0.35				
West Chicago.....						0.86				
West Dundee.....		0.05								
Westchester.....						2.17				
Western Springs.....					0.24	0.06				
Willow Springs.....						0.50				
Wilmette.....					0.83	0.85				
Winnebago.....						1.10				
Winnetka.....					2.06					
Wood River.....						0.15				
Woodstock.....						1.14				
Worth.....						0.51				
Yorkville.....						0.34				
Zeigler.....					0.22					
Zion.....						2.62				
Total.....	20.85	30.54	41.16	53.16	6137.42	7118.08	810.79			⁹ 16

Note: The above table does not include miscellaneous improvements such as storm sewers, traffic control signals, curb and gutter, street lights, building removal, and bridges and culverts of less than 20-foot span, etc.

¹ Does not include ramp structures on Chicago expressways.

² Includes 0.63 miles of PCC widening and 0.22 miles of 1-11 bituminous concrete pavement on new PCC base widening.

³ PCC pavement.

⁴ Includes 0.71 miles of PCC pavement and 0.45 miles of I-11 bituminous concrete pavement on new PCC base.
⁵ Includes 2.47 miles of PCC pavement and 0.69 miles of I-11 bituminous concrete pavement on new PCC base.

⁶ Includes:	
Subclass A-1	18.03 miles
Subclass B-4	2.26 miles
Subclass B-4 modified	0.88 miles
Subclass B-5	1.02 miles
Subclass B-5 modified	
Subclass I-11	1.57 miles
Subclass J-2	112.54 miles
TOTAL	
137.42 miles	

⁷ Includes:	
Subclass A-1	8.94 miles
Subclass A-1 modified	0.43 miles
Subclass A-2	2.70 miles
Subclass A-3	24.92 miles
Subclass B-3	0.73 miles
Subclass B-4 modified	0.87 miles
Subclass B-5	18.21 miles
Subclass B-5 modified	
Subclass I-11 modified	5.59 miles
Subclass I-11	10.24 miles
Subclass J-2	43.58 miles
Subclass J-2	0.98 miles
Bituminous road mix	0.38 miles
Modified plant mix	0.51 miles
TOTAL	
118.08 miles	

⁸ Includes:	
Type A base	1.07 miles
Type A surface	0.64 miles
Type B base	7.80 miles
Type B surface	
1.28 miles	
TOTAL	
10.79 miles	

⁹ Includes 4 elevated highway structures, 4 highway grade separation structures, and 7 bridges and 1 culvert having a 20-foot span or over.

TABLE 67.—MOTOR FUEL TAX FUNDS AVAILABLE AND DISBURSED TO COUNTIES IN 1964 FOR IMPROVEMENT OF LOCAL RURAL ROADS.¹

County	Balance Available Jan. 1, 1964	Allotted During 1964	Total Available During 1964	Disbursed for					Total Disbursed During 1964	Balance on Hand Dec. 31, 1964
				Construction	Right-of-way	Engineering	Township Indebtedness	Maintenance	Miscellaneous ²	
Adams.....	566,163.41	231,190.24	797,353.65	49,710.34	.....	3,964.37	.....	116,300.53	.....	627,378.41
Alexander.....	51,976.46	45,047.80	97,024.26	30,721.65	100.00	384.00	.....	12,904.59	.....	52,914.02
Bond.....	121,703.37	116,388.25	238,091.62	39,772.61	.....	5,797.57	.....	96,955.49	.....	95,565.95
Boone.....	50,495.28	83,280.24	133,775.52	67,898.45	.....	2,375.45	.....	18,897.33	.....	44,604.29
Brown.....	83,570.98	84,615.10	168,186.08	49,927.32	.....	8,281.92	.....	42,374.88	.....	67,601.96
Bureau.....	249,298.77	230,965.80	480,264.57	199,398.91	.....	11,438.06	.....	31,471.21	.....	237,956.39
Calhoun.....	17,962.02	54,830.86	72,792.88	1,134.46	.....	1,544.38	.....	48,081.83	.....	23,301.13
Carroll.....	113,290.44	118,952.16	232,242.60	90,407.59	.....	4,058.64	.....	80,052.57	.....	57,723.80
Cass.....	155,264.46	90,120.97	245,385.43	62,793.11	1,010.42	6,322.07	.....	45,857.91	.....	129,401.92
Champaign.....	226,407.28	346,736.07	573,143.35	31,308.43	.....	12,920.00	.....	313,718.00	.....	215,196.92
Christian.....	254,013.99	267,754.59	521,768.58	10,224.04	1—5.00	5,312.47	.....	213,622.62	.....	292,604.45
Clark.....	183,588.30	170,337.70	353,926.00	64,492.98	.....	4,593.41	.....	82,098.49	.....	202,741.12
Clay.....	58,233.18	164,994.74	223,227.92	20,121.14	.....	6,974.76	.....	136,009.87	.....	60,122.15
Clinton.....	42,513.94	136,334.68	178,848.62	1,185.74	.....	6,588.18	.....	113,164.22	.....	60,281.96
Coles.....	74,103.51	170,014.23	244,117.74	17,377.61	.....	1—1,262.18	.....	140,537.01	.....	87,465.30
Cook.....	332,954.84	143,302.60	476,257.44	151,824.41	.....	13,127.98	.....	156,652.44	.....	299,585.34
Crawford.....	134,057.47	147,459.43	281,516.90	63,637.38	90.06	6,025.95	.....	176,672.10	.....	140,699.12
Cumberland.....	50,339.46	122,418.15	172,757.61	41,458.15	.....	12,973.43	.....	118,326.03	.....	.....
DeKalb.....	199,384.47	188,207.43	387,591.90	187,630.60	.....	14,502.29	.....	8,729.25	.....	176,729.76
DeWitt.....	110,311.19	132,925.68	243,236.87	1—83.13	.....	3,697.05	.....	99,010.75	.....	140,612.20
Douglas.....	68,803.70	203,076.64	271,880.34	93,175.85	.....	5,836.50	.....	124,577.57	.....	47,514.47
DuPage.....	59,269.74	71,343.54	130,613.28	62,741.72	.....	6,323.74	.....	17,639.32	.....	236,503.18
Edgar.....	203,099.61	159,542.48	363,642.09	27,355.19	.....	7,592.39	.....	80,438.81	.....	121,107.42
Edwards.....	123,740.85	157,484.51	281,225.36	.....	.....	3,617.38	5,282.44	49,416.50	.....	44,941.77
Effingham.....	198,711.40	251,638.17	450,349.57	52,158.51	.....	4,105.41	.....	147,998.54	.....	129,121.41
Fayette.....	28,024.65	164,107.34	192,131.99	119,730.41	.....	5,431.03	2,743.75	236,184.61	.....	143,308.47
Ford.....	102,089.42	139,688.65	241,778.07	39,996.80	.....	7,580.88	15,000.00	21,069.06	.....	30,901.49
Franklin.....	336,061.70	212,722.97	548,784.67	142,042.15	184.70	1—85.21	.....	103,705.29	.....	90,495.10
Fulton.....	65,535.51	73,251.28	138,786.79	24,414.95	.....	3,046.36	.....	22,078.70	.....	384,564.33
Gallatin.....	161,855.25	138,069.17	299,924.42	99,987.36	.....	8,892.31	.....	29,316.52	.....	82,008.96
Greene.....	95,231.17	118,782.23	214,013.40	103,582.23	.....	6,505.51	.....	52,929.15	.....	138,115.60
Grundy.....	45,780.52	160,356.82	206,137.34	62,303.81	.....	7,077.64	.....	7,077.64	.....	96,848.02
Hamilton.....	398,718.42	252,893.17	651,611.59	315,452.18	100.00	7,201.21	.....	103,374.85	.....	33,257.47
Hancock.....	43,880.53	36,684.78	80,565.31	47,003.05	.....	13,808.82	.....	44,781.64	.....	277,468.95
Hardin.....	144,740.29	98,700.47	243,440.76	76,999.74	360.00	1,605.25	.....	6,543.34	.....	25,053.67
Henry.....	320,883.75	242,250.50	563,134.25	183,255.64	.....	5,499.34	.....	65,172.45	.....	25,053.67
Iroquois.....	270,651.76	339,771.14	610,422.90	226,900.85	.....	10,816.34	.....	95,696.80	.....	95,769.23
Jackson.....	198,540.86	137,999.61	336,540.47	80,585.18	.....	19,076.83	.....	122,337.97	.....	273,265.47
Jasper.....	133,677.37	172,849.88	306,527.25	33,712.69	1,400.00	8,408.24	.....	85,780.22	.....	242,107.25
Jefferson.....	61,452.93	204,728.42	266,181.35	1,003.42	.....	6,399.75	.....	99,721.04	.....	160,366.83
Jersey.....	74,951.08	86,462.95	161,414.03	1—2,491.10	.....	7,558.04	.....	179,357.80	.....	166,693.77
				.....	.....	2,218.14	.....	79,519.49	.....	78,262.09
					.....	.....	.....	79,246.53	.....	82,167.50

LOCAL ROADS AND STREETS

LOCAL ROADS AND STREETS

JoDavies	166,916.87	140,857.94	307,774.81	56,888.99		3,813.66	5,372.50	82,336.86	148,412.01	159,362.80
Johnson	48,053.67	77,119.47	125,173.14	22,833.14		2,887.72		34,007.37	61,368.49	63,804.65
Kane	232,789.56	116,873.84	349,663.40	167,202.83		8,309.33		23,478.44	198,990.60	150,672.80
Kankakee	195,335.43	203,132.23	398,467.66	208,018.00		14,441.60		57,865.29	280,324.89	118,142.77
Kendall	109,888.84	83,991.22	193,880.06	49,425.11	263.00	5,981.08		1,584.00	57,253.19	136,626.87
Knox	149,524.34	198,585.43	348,109.77	169,115.01	725.00	11,567.07		21,137.91	202,544.99	145,564.78
Lake	160,556.99	109,373.01	269,930.00	83,443.56	2,586.20	8,599.95		28,057.56	122,936.47	146,993.53
LaSalle	240,079.70	334,511.09	574,590.79	266,421.42		14,926.61	7,000.00	19,731.44	308,079.47	266,511.32
Lawrence	94,223.99	117,493.78	211,717.77	41,503.21	1,119.00	1,839.03		63,833.39	108,294.63	103,423.13
Lee	136,162.01	206,030.92	342,192.93	127,010.57		13,001.65		23,270.64	163,282.86	178,910.07
Livingston	275,720.78	369,634.06	645,354.84	248,314.76		8,982.49	52,000.00	54,152.90	363,450.15	281,904.69
Logan	207,272.96	176,983.94	384,256.90	222,487.93	1-639.16	5,889.75		29,250.63	256,989.15	127,267.75
McDonough	148,699.09	187,593.52	336,292.61	18,849.66		3,716.71		154,501.04	177,067.41	159,225.20
McHenry	189,413.02	158,564.51	347,977.53	76,486.26		4,650.55		34,861.44	115,998.25	231,979.28
McLean	153,570.79	340,723.89	494,294.68	349,346.53		18,253.42		47,896.14	415,496.09	78,798.59
Macon	149,214.33	198,375.11	347,589.44	59,204.82		13,306.93		117,019.79	189,531.54	158,057.90
Macoupin	115,132.64	245,848.62	360,981.26			10,666.59		213,331.72	223,998.31	136,982.95
Madison	287,326.34	210,806.36	498,132.70	1,959.04		8,419.66		163,663.94	174,042.64	324,090.06
Marion	23,278.60	189,674.74	212,953.34	4,799.06		7,253.26		181,891.49	193,943.81	19,009.53
Marshall	78,215.93	102,944.90	181,160.83	71,673.92	1,400.00	3,745.16		14,324.10	91,143.18	90,017.65
Mason	153,829.20	148,885.76	302,714.96	89,091.93		6,663.68		56,040.60	151,796.21	150,918.75
Massac	11,411.08	68,528.15	79,939.23	52,891.28		1,029.43		14,175.87	68,096.58	11,842.65
Menard	101,515.00	88,052.83	189,567.83	1-291.40		3,648.47		60,751.84	64,108.91	125,458.92
Mercer	172,457.35	164,450.01	336,907.36	85,540.47		8,598.69		28,428.66	122,567.82	214,339.54
Monroe	46,390.27	94,990.83	141,381.10	19,668.31		3,342.75		72,090.11	95,101.17	46,279.93
Montgomery	112,122.22	231,549.51	343,671.73	15,233.81		8,047.86		189,263.96	212,545.63	131,126.10
Morgan	138,669.90	164,199.55	302,869.45	35,259.85	7,714.07	2,798.88		90,304.55	138,263.46	164,605.99
Moultrie	121,518.34	120,070.82	241,589.16	15,693.10	275.00	4,653.45		89,881.04	110,502.59	131,086.57
Ogle	216,070.58	207,293.37	423,363.95	160,105.17		14,319.65		69,253.47	243,678.29	179,685.66
Peoria	350,023.65	165,418.92	515,442.57	159,346.72	6,901.81	21,269.26		4,235.13	191,752.92	323,689.65
Perry	93,522.10	114,346.90	207,869.00	13,290.18		3,296.66		92,913.39	109,500.23	98,368.77
Piatt	191,495.50	145,550.69	337,046.19	89,068.10	100.00	1,318.42		82,954.92	173,441.44	163,604.75
Pike	377,623.18	232,228.30	609,851.48	9,301.21	2,061.21	29,477.88		80,965.62	121,805.92	488,045.56
Pope	28,333.08	71,755.56	100,088.64	1-1,412.67		516.67		18,075.29	17,179.29	82,909.35
Pulaski	34,135.60	55,137.45	89,273.05	20,019.97		3,669.17		25,317.20	49,006.34	40,266.71
Putnam	44,021.81	43,025.42	87,047.23	24,183.27		1,749.45		7,540.49	33,473.21	53,574.02
Randolph	141,202.34	141,578.83	282,781.17	30,302.81		2,725.15		87,103.48	120,131.44	162,649.73
Richland	29,668.17	136,719.77	166,387.94	16,311.14		3,344.93		33,970.92	53,626.99	112,760.95
Rock Island	130,288.95	92,873.43	223,162.38	61,226.61		4,187.01		41,947.48	107,361.10	115,801.28
St. Clair	428,815.19	176,545.01	605,360.20	39,254.88		4,366.53		80,218.20	123,839.61	481,520.59
Saline	178,541.50	122,019.91	300,561.41	48,082.41		6,051.29		52,857.16	106,990.86	193,570.55
Sangamon	390,453.21	255,839.09	645,839.30	29,633.22	2,731.00	6,423.09		150,622.70	189,410.01	456,429.29
Schuyler	212,300.79	123,962.98	336,263.77	1-3,001.89		4,495.38		88,346.17	89,839.66	246,424.11
Scott	206,548.18	64,514.85	271,063.03	1-1,335.54	554.88	3,020.47		21,984.76	24,224.57	246,838.46
Shelby	101,525.05	275,828.88	377,353.93	29,941.52		8,691.80		229,647.10	268,280.42	109,073.51
Stark	46,179.28	82,308.33	128,487.61	36,340.78		3,407.01		24,568.62	64,316.41	64,171.20
Stephenson	204,525.50	176,474.91	381,000.41	201,715.20		4,865.26		14,250.49	220,830.95	160,169.46
Stephenson	126,737.00	191,530.75	318,267.75	82,248.81		2,326.96		12,176.66	96,752.43	221,515.32
Tazewell	61,714.81	84,677.61	146,392.42	56,749.70	109.78	5,233.92		42,309.61	104,403.01	41,989.41
Union	218,430.33	286,449.85	504,880.18	101,565.20	775.58	18,197.43		77,933.54	198,471.75	306,408.43
Vermilion	60,988.12	65,215.42	126,203.54	11,314.55	457.00	2,092.43		32,852.71	46,716.69	79,486.85
Wabash										

TABLE 67.—Concluded.

County	Balance Available Jan. 1, 1964	Allotted During 1964	Total Available During 1964	Disbursed for					Total Disbursed During 1964	Balance on Hand Dec. 31, 1964
				Construction	Right-of-way	Engineering	Township Indebtedness	Maintenance	Miscellaneous ²	
Warren.....	253,070.59	173,186.26	426,256.85	235,939.49	600.00	11,766.20		35,001.10	1—5.36	142,955.42
Washington.....	165,767.82	149,579.84	315,347.66	14,268.88		7,465.22		103,296.64		190,316.92
Wayne.....	232,382.97	251,869.79	484,252.76	46,553.99		8,109.20		160,856.68		268,732.89
White.....	92,814.61	175,157.43	267,972.04	20,041.61		5,741.11		149,546.71		92,642.61
Whiteside.....	176,814.49	180,440.92	357,255.41	126,601.46	714.00	6,035.72		66,068.10		157,836.13
Will.....	653,552.88	264,482.08	918,034.96	281,910.68		27,206.28		48,366.81		553,679.24
Williamson.....	223,519.75	130,824.77	354,344.52			2,474.13		81,893.91		269,976.48
Winnebago.....	111,642.63	137,466.22	249,108.85	59,987.32		3,947.34		17,333.35	680.43	167,160.41
Woodford.....	102,681.57	156,749.30	259,430.87	146,272.35		4,878.63		25,587.45		82,692.44
Total.....	\$16,149,630.14	\$16,384,039.52	\$32,533,669.66	\$ 7,671,110.32	\$ 38,560.50	\$ 728,717.37	\$ 87,398.69	\$ 7,591,032.86	\$ 16,470.35	\$16,400,379.57

¹ Transferred from funds certified prior to 1964.

² District's contribution to Illinois Municipal Employees' Retirement Fund or Social Security.

LOCAL ROADS AND STREETS

TABLE 68.—ROAD DISTRICT CONSTRUCTION APPROVED DURING 1964.

County	Bituminous Surfaces Not on a Concrete Base		Gravel or Stone Surfaces		Oiled Earth		Bridges ¹	
	Miles	Cost	Miles	Cost	Miles	Cost	Number	Cost
Adams.....			3.35	\$46,308.48				
Alexander.....								\$30,721.65
Bond.....			1.26	11,694.50	2.16	\$10,056.57	2	38,247.25
Boone.....	5.28	\$26,525.25	6.80	46,131.00				
Brown.....			4.91	51,877.42				
Bureau.....	14.06	124,333.30	4.21	63,789.68				
Calhoun.....								
Carroll.....	0.57	18,895.96	7.39	72,803.70			1	33,365.00
Cass.....			2.27	32,460.56	2.44	20,439.79	1	22,396.75
Champaign.....			1.01	5,595.90	2.03	6,093.41	1	8,968.75
Christian.....	2.03	4,466.05	1.09	9,284.57				
Clark.....			13.42	92,876.13				
Clay.....			1.99	8,642.72	4.63	15,647.67		
Clinton.....								
Coles.....			1.62	11,533.68	2.51	8,090.90		
Cook.....	25.52	148,382.88						
Crawford.....	2.25	83,726.49	5.16	67,260.14				
Cumberland.....			1.18	6,592.10	9.17	35,756.53		
DeKalb.....	9.20	79,027.99	8.42	97,296.25			2	101,805.30
DeWitt.....								
Douglas.....								
DuPage.....	2.63	95,719.67						
Edgar.....			6.72	49,585.92	7.07	20,426.92		
Edwards.....			6.08	29,887.93				
Effingham.....								
Fayette.....			9.43	55,261.23	3.67	11,067.68		
Ford.....	13.60	73,733.91	17.93	78,324.41				
Franklin.....			3.88	37,476.16	1.06	5,423.27		
Fulton.....			6.95	108,805.90			1	42,134.92
Gallatin.....			5.06	32,776.72				
Greene.....			12.40	120,712.13				15,701.83
Grundy.....	14.29	62,908.63	6.43	46,089.28				
Hamilton.....			14.82	64,064.96				2,242.16
Hancock.....	3.05	56,817.33	19.68	272,183.28			1	44,837.77
Hardin.....			0.41				1	47,003.05
Henderson.....			8.55	89,513.80				
Henry.....			13.65	188,179.56	1.00	11,191.94		
Iroquois.....	7.17	27,349.37	30.33	214,269.36				
Jackson.....			7.71	97,699.87				
Jasper.....			4.37	26,333.53	1.44	4,410.96		
Jefferson.....								3,725.88
Jersey.....								
JoDavie.....			7.47	19,526.10	6.93	28,103.55		
Johnson.....			1.20	16,871.18				
Kane.....	5.17	85,107.43	4.70	52,030.33	0.70	10,175.00	3	48,188.30
Kankakee.....	1.99	38,533.52	14.30	169,776.81			1	11,951.80
Kendall.....	5.45	27,518.31	2.35	33,618.94				1,565.41
Knox.....			12.25	147,010.98			2	59,331.91
Lake.....	7.99	56,694.88	2.78	49,417.71				2,478.08
LaSalle.....	16.74	78,881.66	29.31	175,208.61			1	19,863.75
Lawrence.....			6.32	48,101.84				1,189.25
Lee.....	3.31	45,422.15	7.41	59,417.16			2	85,315.45
Livingston.....	21.65	92,636.70	52.99	234,887.01			1	22,638.24
Logan.....	5.28	66,259.56	6.73	70,050.00			3	120,663.30
McDonough.....			3.02	24,850.62				
McHenry.....	11.32	44,253.30	6.49	79,107.06				
McLean.....	46.61	207,801.65	36.91	228,424.55			6	125,165.63
Macon.....	1.52	18,686.04			15.26	55,058.09		22,249.55
Macoupin.....								
Madison.....	0.51	11,397.60						2,047.30
Marion.....								
Marshall.....	1.51	8,291.81	13.09	59,480.95			1	32,692.72
Mason.....	8.41	43,434.36	2.30	19,381.30			1	27,341.70
Massac.....					3.56	24,729.68		
Menard.....								
Mercer.....			9.31	73,146.39			3	53,013.45
Monroe.....			4.86	21,165.60				
Montgomery.....			0.45	2,593.08				6,532.96
Morgan.....	1.25	14,427.43	2.77	31,265.82				
Moultrie.....							2	36,795.90
Ogle.....	7.55	38,884.78	13.64	165,727.20				
Peoria.....	2.27	66,470.65	4.36	132,703.38			2	52,531.72

LOCAL ROADS AND STREETS

TABLE 68.—Concluded.

County	Bituminous Surfaces Not on a Concrete Base		Gravel or Stone Surfaces		Oiled Earth		Bridges ¹	
	Miles	Cost	Miles	Cost	Miles	Cost	Number	Cost
Perry.....					3.16	12,092.32		2,856.00
Piatt.....					9.49	24,642.52	3	76,828.40
Pike.....			2.24	8,734.00				
Pope.....								
Pulaski.....			1.27	20,019.97				
Putnam.....	1.94	23,801.17						
Randolph.....			2.35	40,247.67				
Richland.....			2.78	22,481.26				
Rock Island.....			5.58	70,973.55			1	24,030.00
Saline.....			6.89	50,236.91				
Sangamon.....					2.24	56,419.94		
Schuyler.....								
Scott.....								
Shelby.....					9.46	26,961.71		3,069.00
Stark.....			6.34	47,732.94				4,420.94
Stephenson.....	9.73	62,720.50	7.47	182,312.47			1	30,504.50
St. Clair.....			4.09	39,305.38				
Tazewell.....	8.63	61,440.99	0.99	14,802.90				
Union.....			3.16	49,431.12				1,797.88
Vermilion.....			7.72	67,285.93			2	31,892.07
Wabash.....			2.41	14,716.54				
Warren.....			36.67	265,661.00	3.18	26,056.98		
Washington.....			4.32	29,188.86				
Wayne.....			8.47	48,028.36	0.99	2,640.30		1,675.00
White.....			3.27	13,664.48	1.00	2,805.35		
Whiteside.....	3.17	117,665.25	4.02	26,341.07			1	50,914.58
Will.....	6.74	96,252.84	8.25	137,159.55	0.53	12,604.90	1	36,406.91
Williamson.....								
Winnebago.....	11.94	52,179.78	1.96	22,023.09				
Woodford.....	17.55	93,457.29	16.33	149,355.37				
Totals.....	307.88	\$2,254,106.48	3620.07	\$5,368,775.91	493.68	\$430,895.98	547	\$1,387,102.01

Note: The costs indicated above include estimated cost for day labor improvements and contracts prices for contract work.

¹ Only bridges and culverts having a 20-foot span or over are included in the number. The “Costs”, however, includes small drainage structures and other incidental work built separately or with the bridge sections.

² Includes:

Subclass A-1	45.60 miles
Subclass A-1 modified	3.05 miles
Subclass A-2	21.87 miles
Subclass A-2 modified	1.73 miles
Subclass A-3	181.69 miles
Subclass A-3 modified	5.51 miles
Subclass B-1	1.43 miles
Subclass B-3	3.48 miles
Subclass B-4	0.42 miles
Subclass B-5	6.61 miles
Subclass B-5 modified	0.14 miles
Bituminous road mix	36.35 miles

Total 307.88 miles

³ Includes:

Type A surface	6.54 miles
Type B base	5.24 miles
Type B surface	605.57 miles
Asphalt stabilized base	2.72 miles

Total 620.07 miles

⁴ Includes:

Earth grading	11.34 miles
Oiled earth	57.34 miles
Road oil	21.44 miles
Salt stabilized surface.....	3.56 miles

Total 93.68 miles

⁵ Includes 44 bridges and 3 culverts having a 20-foot span or over.

⁶ Includes \$6,514.78 for railroad crossing protection projects.

LOCAL ROADS AND STREETS

TABLE 69.—ROAD DISTRICT CONSTRUCTION COMPLETED DURING 1964.

County	Bituminous Surfaces	Gravel or Stone Surfaces	Oiled Earth	Bridges 20-foot Span or Over
	Miles	Miles	Miles	Number
Adams.....	1.16	4.59		
Alexander.....		0.08		
Bond.....		1.26	0.18	2
Boone.....	5.28	5.56		
Brown.....		5.24		
Bureau.....	23.68	3.24		
Calhoun.....				
Carroll.....	0.95	11.52		
Cass.....		0.38	2.44	1
Champaign.....		1.01	2.03	2
Christian.....	2.03			
Clark.....		3.45		
Clay.....		9.31	6.57	
Clinton.....				
Coles.....				
Cook.....	27.28			
Crawford.....				
Cumberland.....		1.14		
DeKalb.....	10.20	7.52		2
DeWitt.....				
Douglas.....				
DuPage.....	2.43			
Edgar.....		9.11	7.07	
Edwards.....		7.08		
Effingham.....				
Fayette.....		18.46	5.67	
Ford.....	13.60	17.92		
Franklin.....		0.30		
Fulton.....		6.98		1
Gallatin.....		2.97		
Greene.....		8.57		1
Grundy.....	13.93	6.43		
Hamilton.....		16.67		
Hancock.....	3.05	13.93		
Hardin.....				
Henderson.....		9.38		
Henry.....		9.28	1.00	
Iroquois.....	7.17	36.35		
Jackson.....		8.15		
Jasper.....		6.15	1.44	
Jefferson.....			3.62	
Jersey.....		1.44		
JoDaviess.....		10.19	6.93	
Johnson.....		6.94		
Kane.....	4.87	5.09	0.70	4
Kankakee.....	1.63	15.85		
Kendall.....	5.45	4.76		
Knox.....		12.26		2
Lake.....	8.59	1.63		
LaSalle.....	16.74	29.13	1.01	1
Lawrence.....		2.47	2.08	
Lee.....	3.31	10.05		2
Livingston.....	23.97	77.64		1
Logan.....	3.57	5.42	0.26	3
McDonough.....		3.02		
McHenry.....	14.84	6.49		
McLean.....	46.60	26.39		6
Macon.....	1.52	3.79	1.00	2
Macoupin.....				
Madison.....				
Marion.....			1.31	
Marshall.....		7.47		1
Mason.....	7.40	2.30		1
Massac.....		3.35		
Menard.....				
Mercer.....		9.81	0.47	3
Monroe.....				
Montgomery.....			4.74	
Morgan.....		3.57	5.48	

LOCAL ROADS AND STREETS

County	Bituminous Surfaces	Gravel or Stone Surfaces	Oiled Earth	Bridges 20-foot Span or Over
	Miles	Miles	Miles	Number
Moultrie.....			2.99	2
Ogle.....	7.55	13.64		
Peoria.....	2.27	4.36		2
Perry.....			1.51	
Piatt.....			3.00	4
Pike.....		3.29		
Pope.....		0.83		
Pulaski.....		1.27		
Putnam.....	0.89	1.14		
Randolph.....		6.13		
Richland.....	1.48	11.51		
Rock Island.....		4.27		
Saline.....		12.66		
Sangamon.....			3.54	
Schuyler.....				
Scott.....		2.06		
Shelby.....			11.44	
Stark.....		9.04		
Stephenson.....	9.73	8.48		
St. Clair.....	0.20	6.28		
Tazewell.....	7.95	3.27		
Union.....				
Vermilion.....	0.74	8.86		
Wabash.....		1.91		
Warren.....		38.21	3.28	
Washington.....		5.41		
Wayne.....		7.81	0.99	
White.....		22.32	3.78	
Whiteside.....	3.17	4.02	1.98	1
Will.....	6.14	2.87	0.53	2
Williamson.....				
Winnebago.....	11.94	2.89		
Woodford.....	17.55	21.15		
Totals.....	1318.86	2684.77	387.04	446

Note: The above table does not include small drainage structures or other miscellaneous improvements.

¹ Includes:	
Subclass A-1	51.05 miles
Subclass A-1 modified	3.25 miles
Subclass A-2	24.04 miles
Subclass A-2 modified	9.92 miles
Subclass A-3	181.15 miles
Subclass A-3 modified	4.52 miles
Subclass B-1	1.43 miles
Subclass B-3	1.23 miles
Subclass B-4	0.65 miles
Subclass B-5	4.94 miles
Subclass B-5 modified	1.00 miles
Subclass I-11	0.36 miles
Bituminous road mix	35.32 miles
TOTAL	318.86 miles

² Includes:	
Type A modified base	0.93 miles
Type A surface	2.85 miles
Type A modified surface	1.46 miles
Type B base	10.81 miles
Type B surface	660.19 miles
Salt stabilized surface.....	8.53 miles
TOTAL	684.77 miles

³ Includes:	
Road oil	70.88 miles
Grading	16.16 miles
TOTAL	87.04 miles

⁴ Includes 42 bridges and 4 culverts having a 20-foot span or over.

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